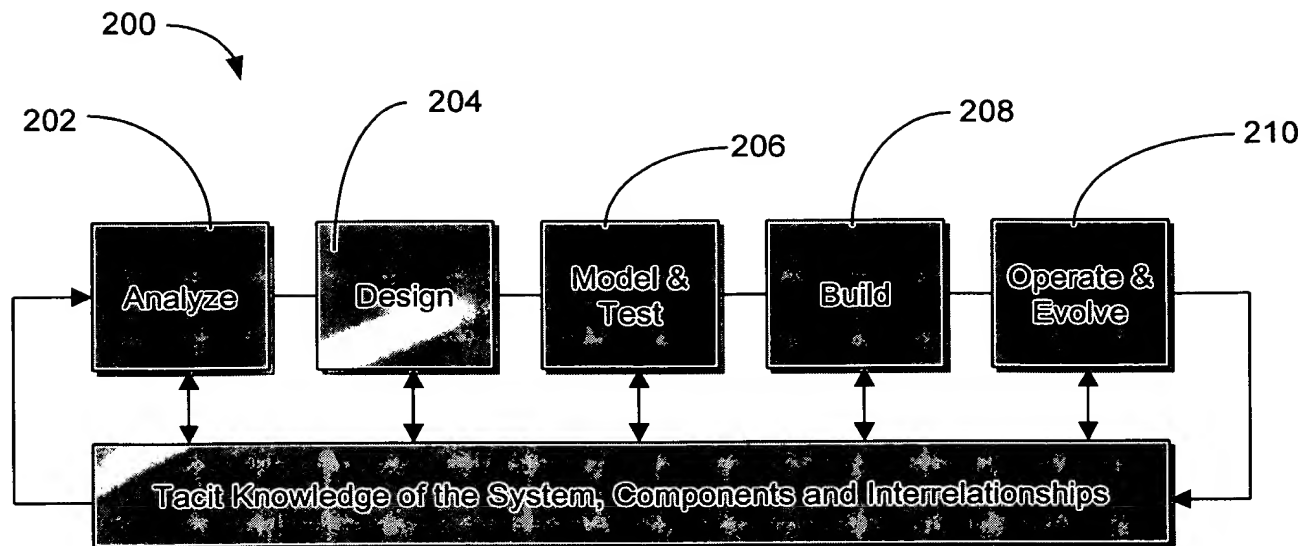
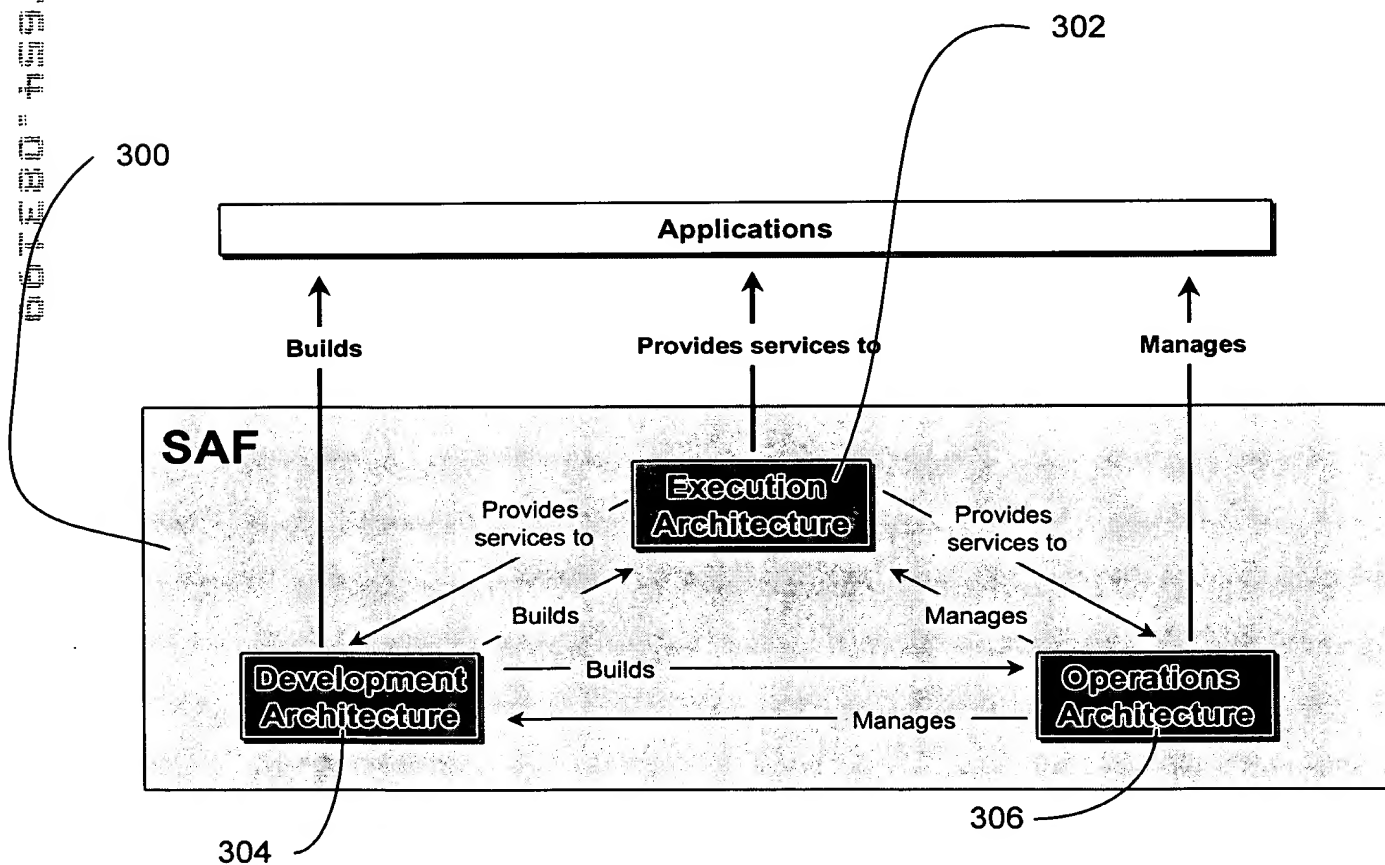


Figure 1



**Figure 2**



**Figure 3**

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06T680-45928E60

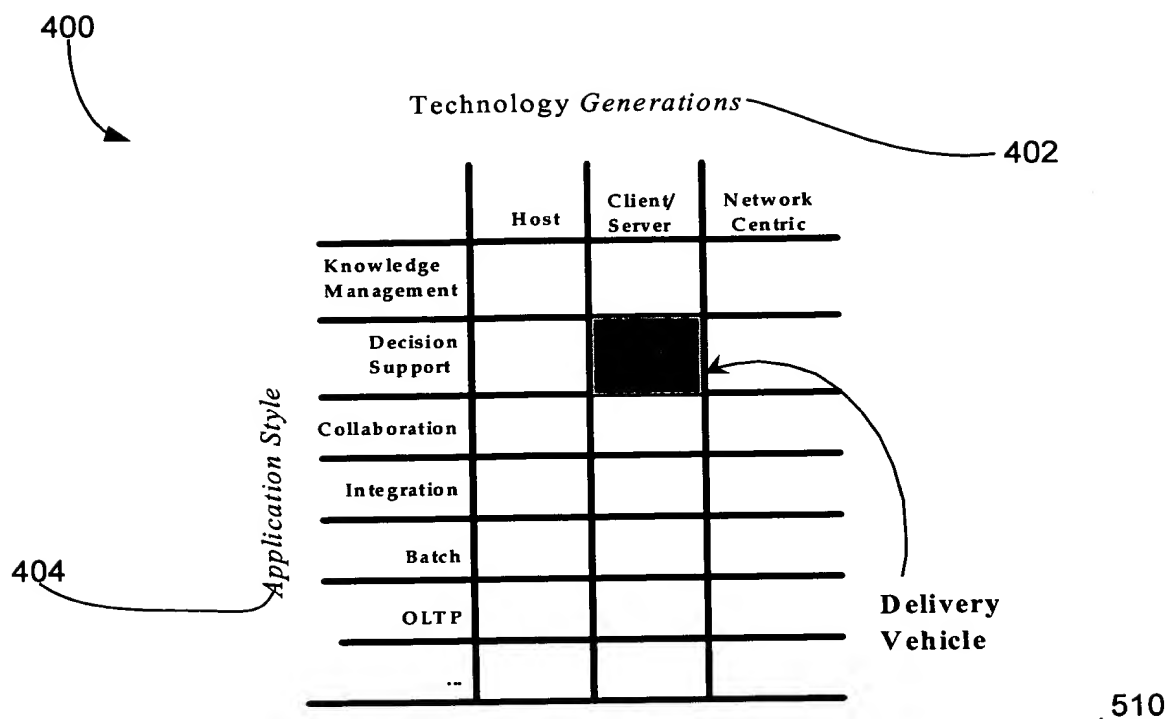
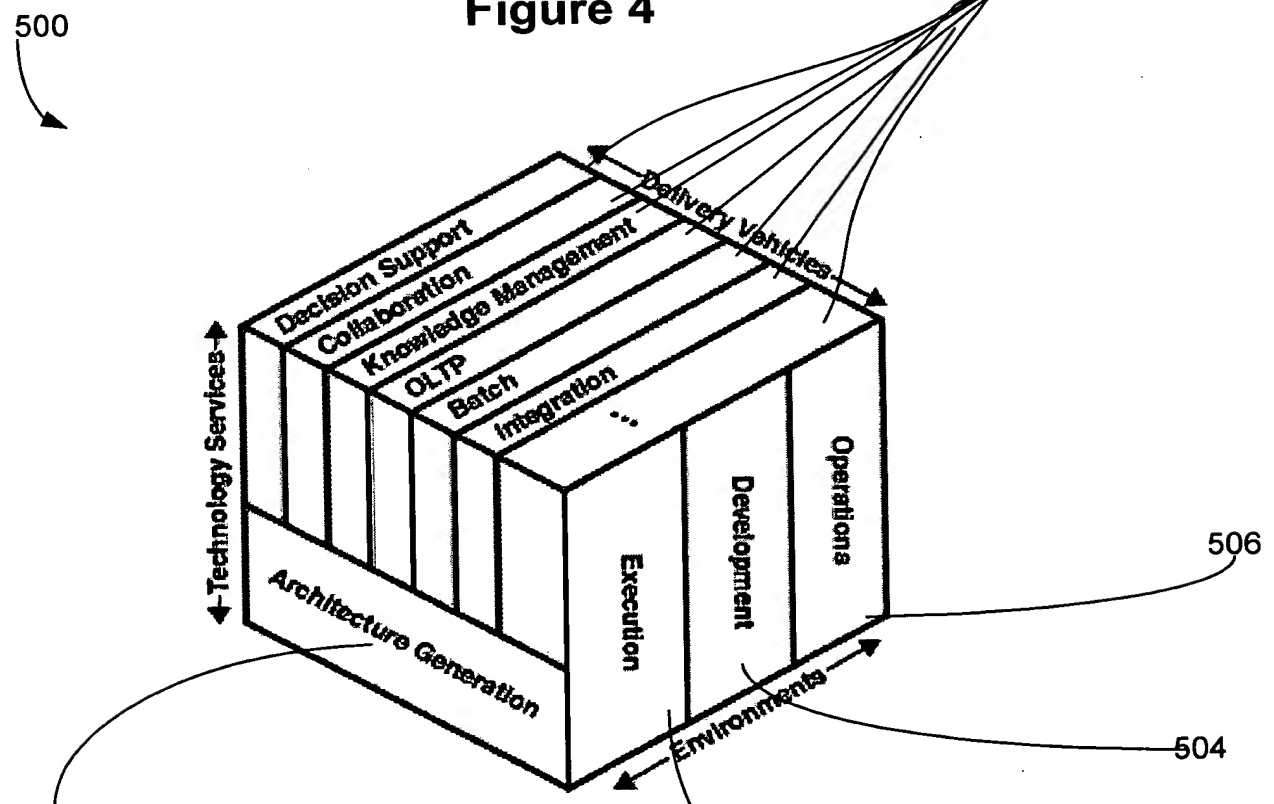
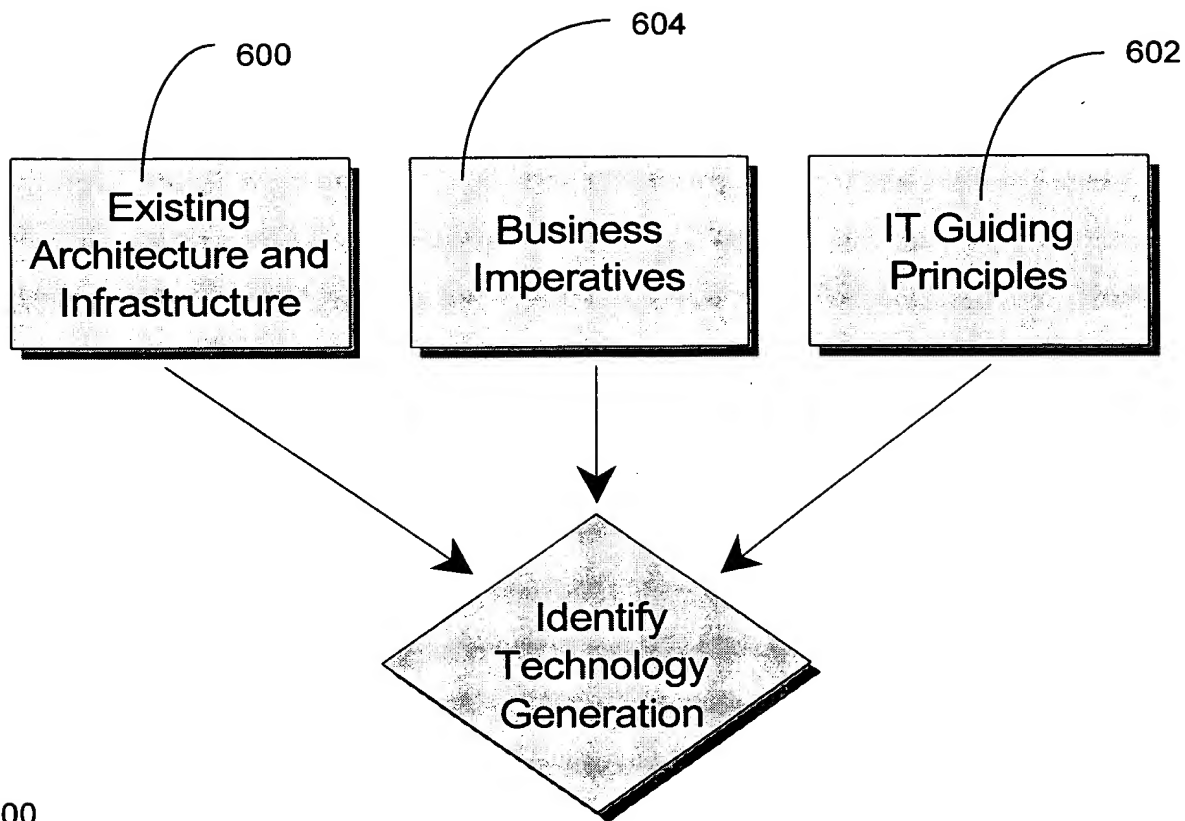


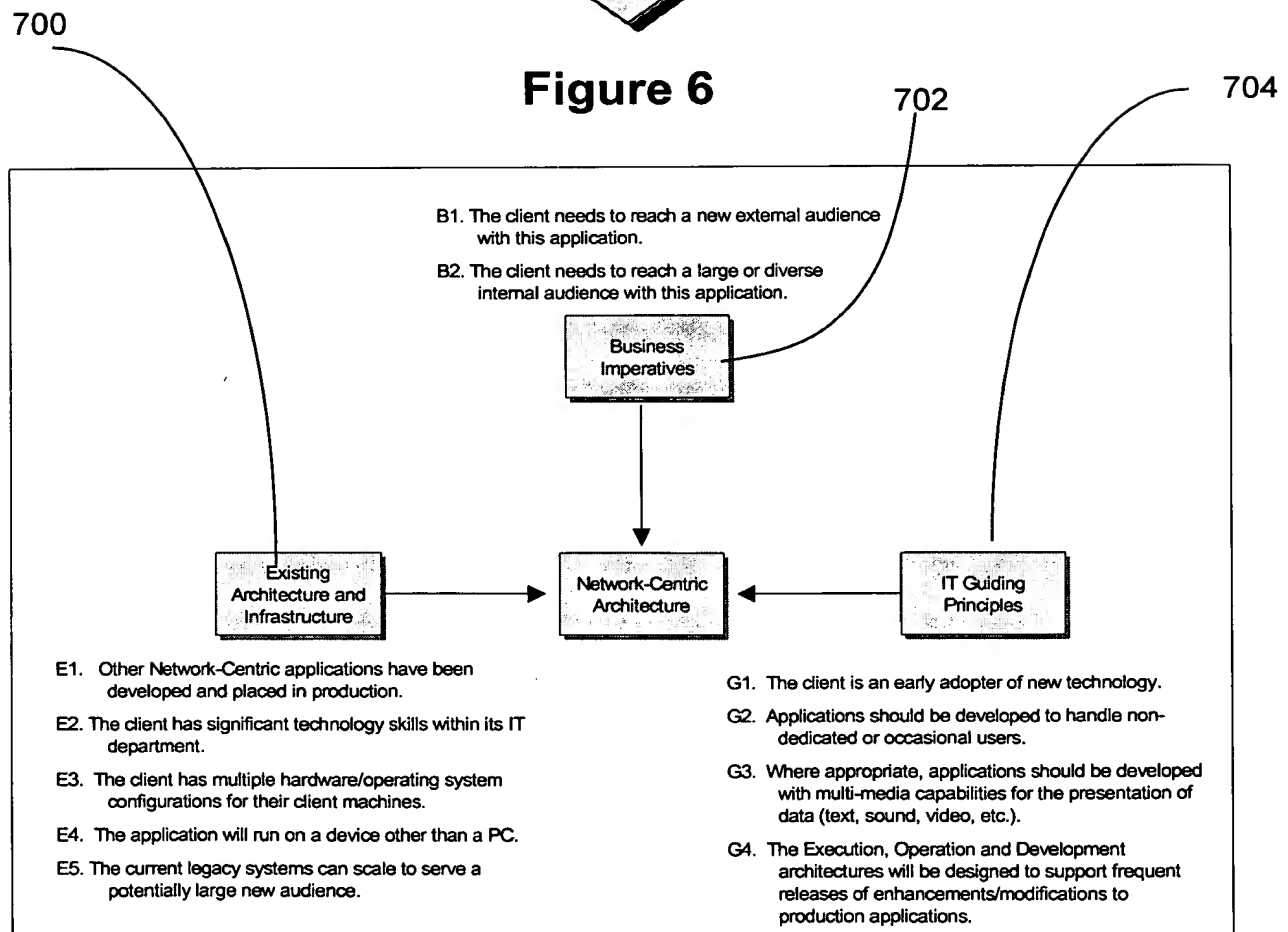
Figure 4



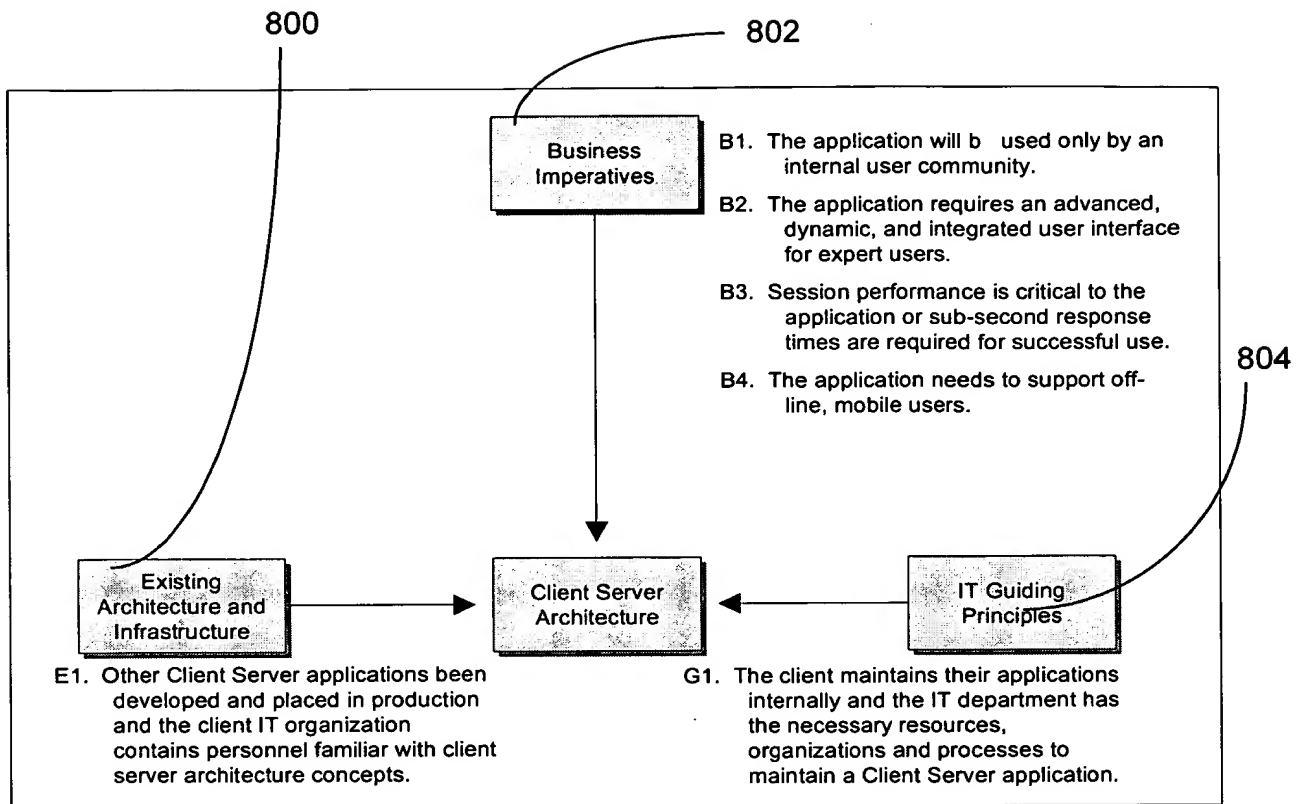
Figur 5



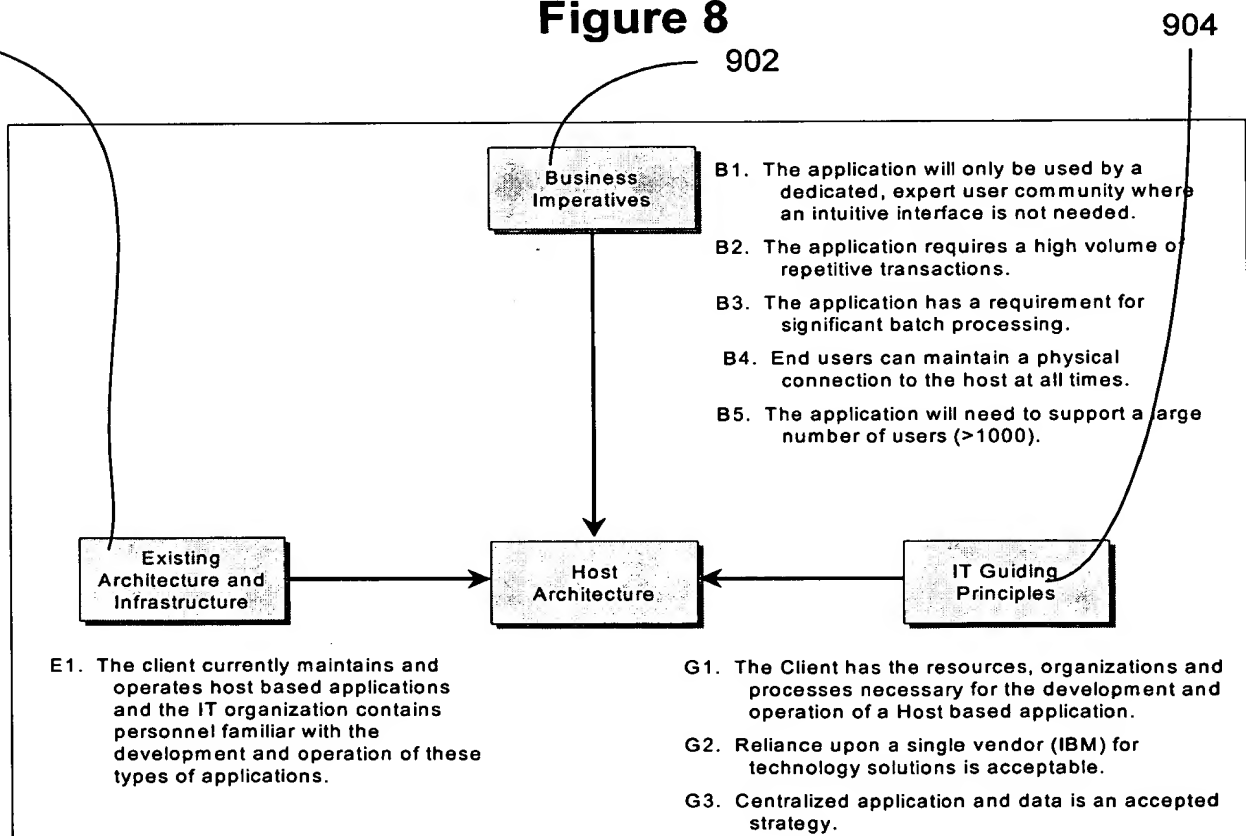
**Figure 6**



**Figure 7**

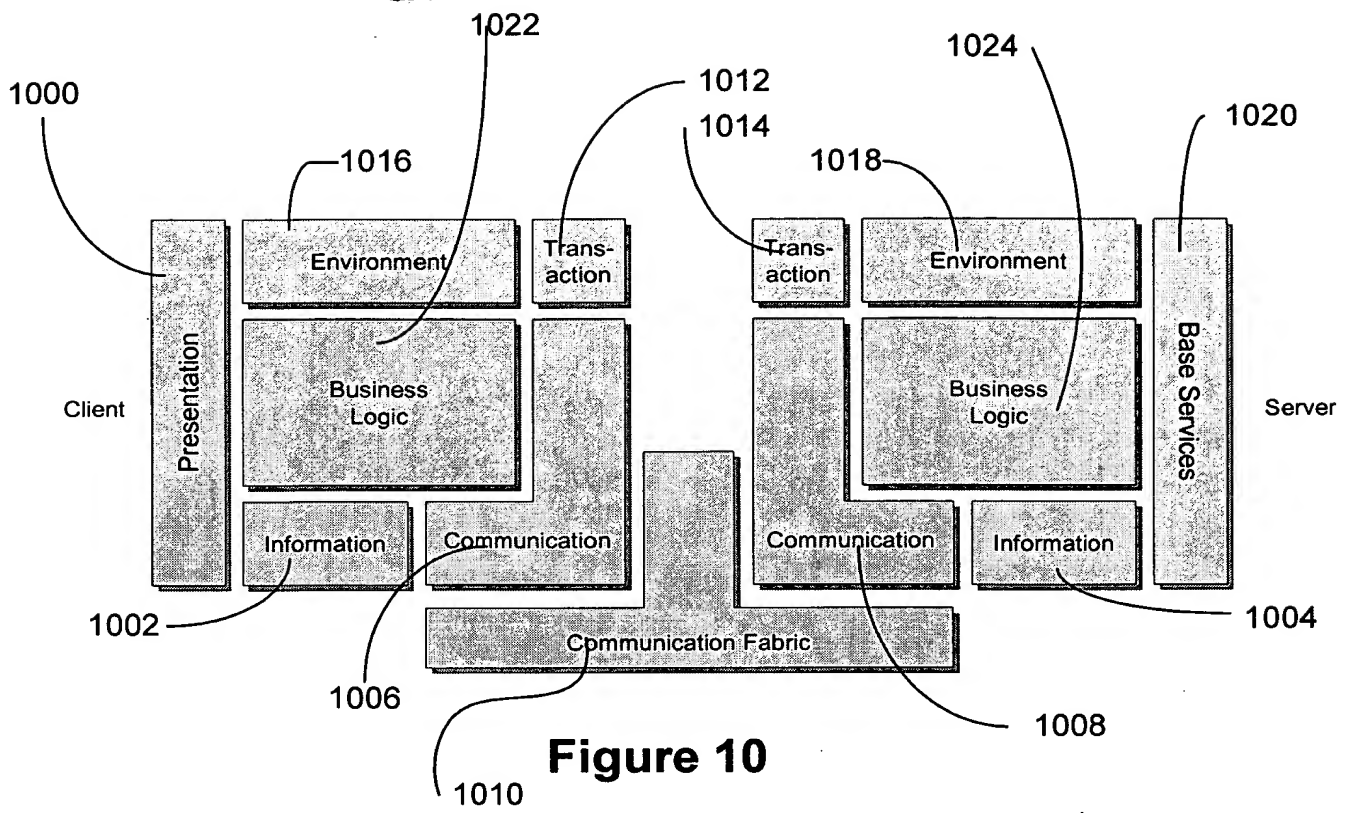


**Figure 8**



**Figure 9**

60767614.08199



**Figure 10**

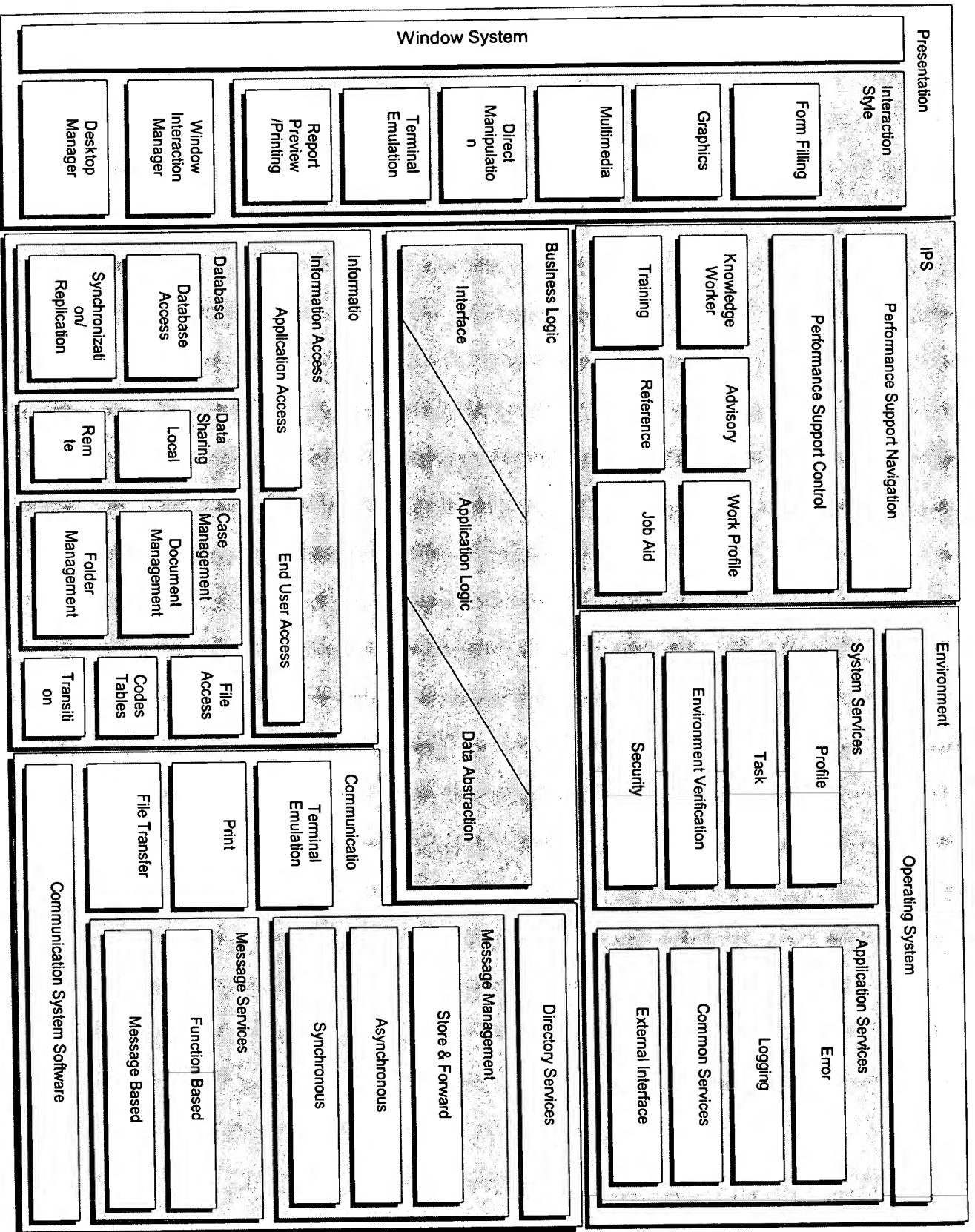


Figure 11

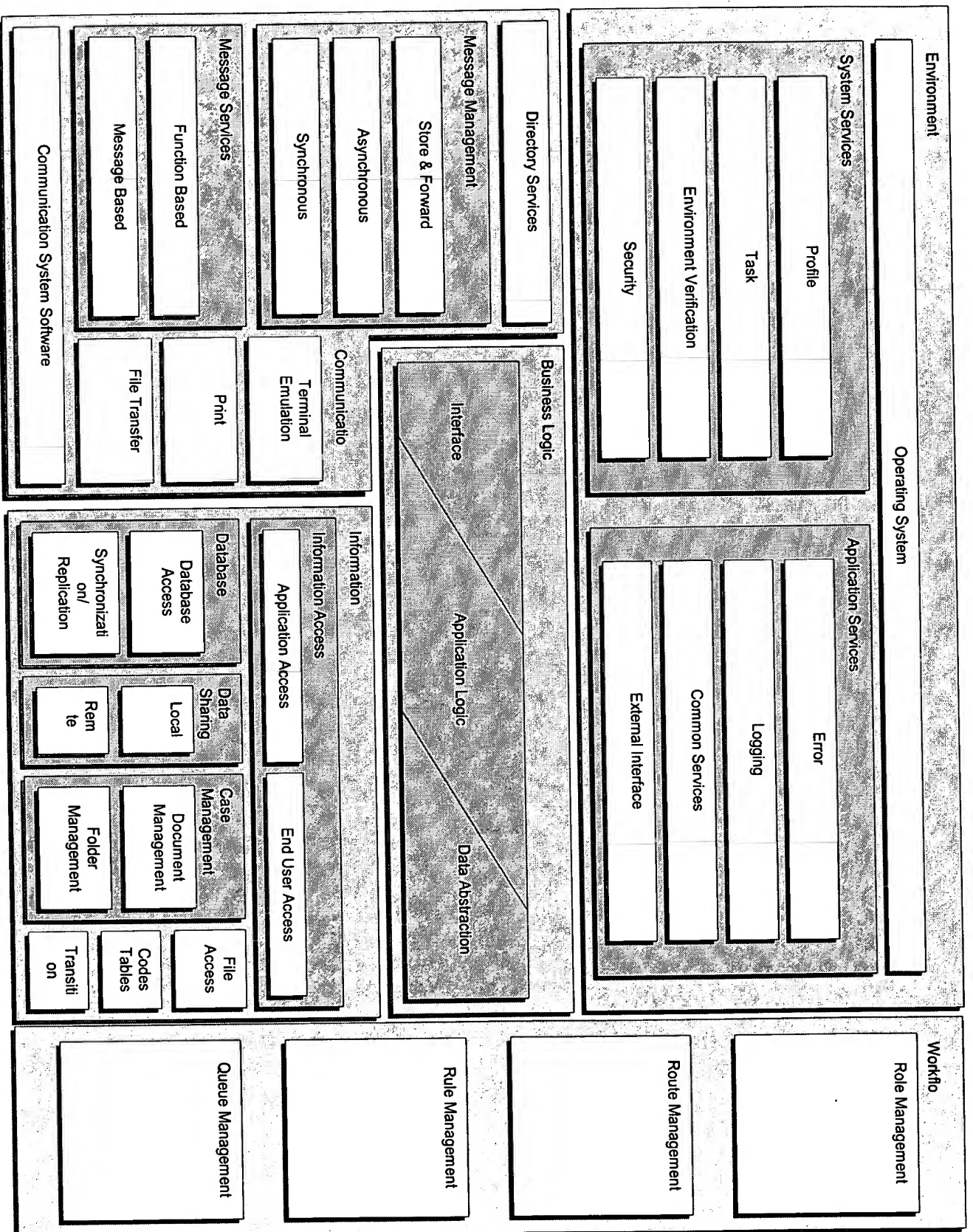
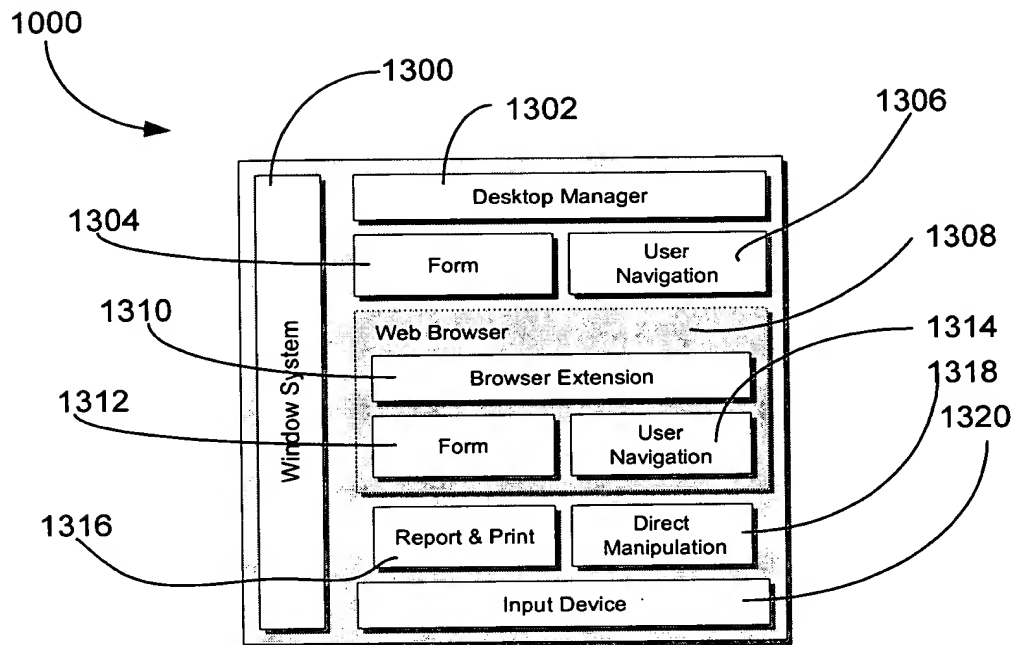
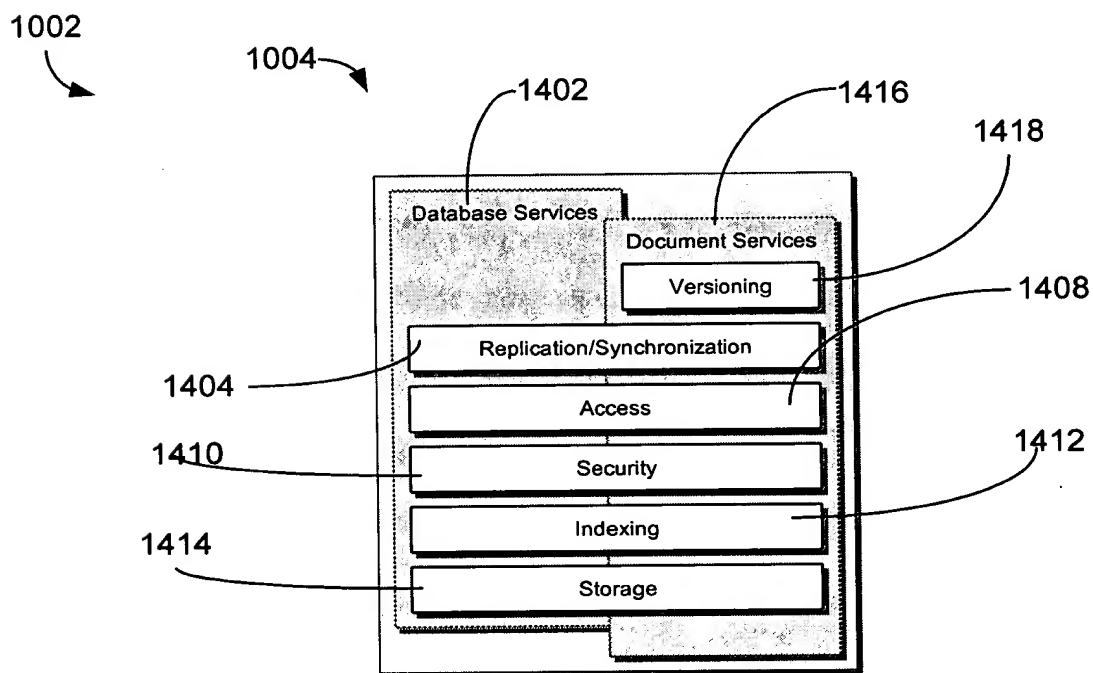


Figure 12

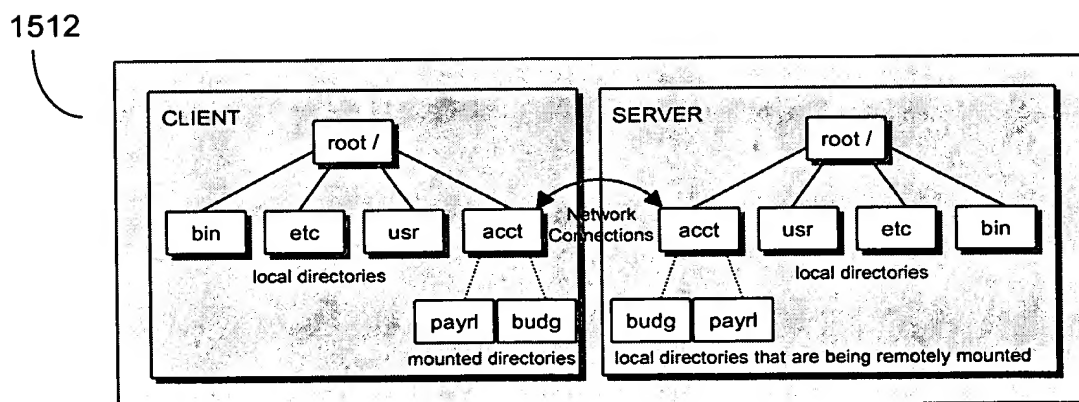
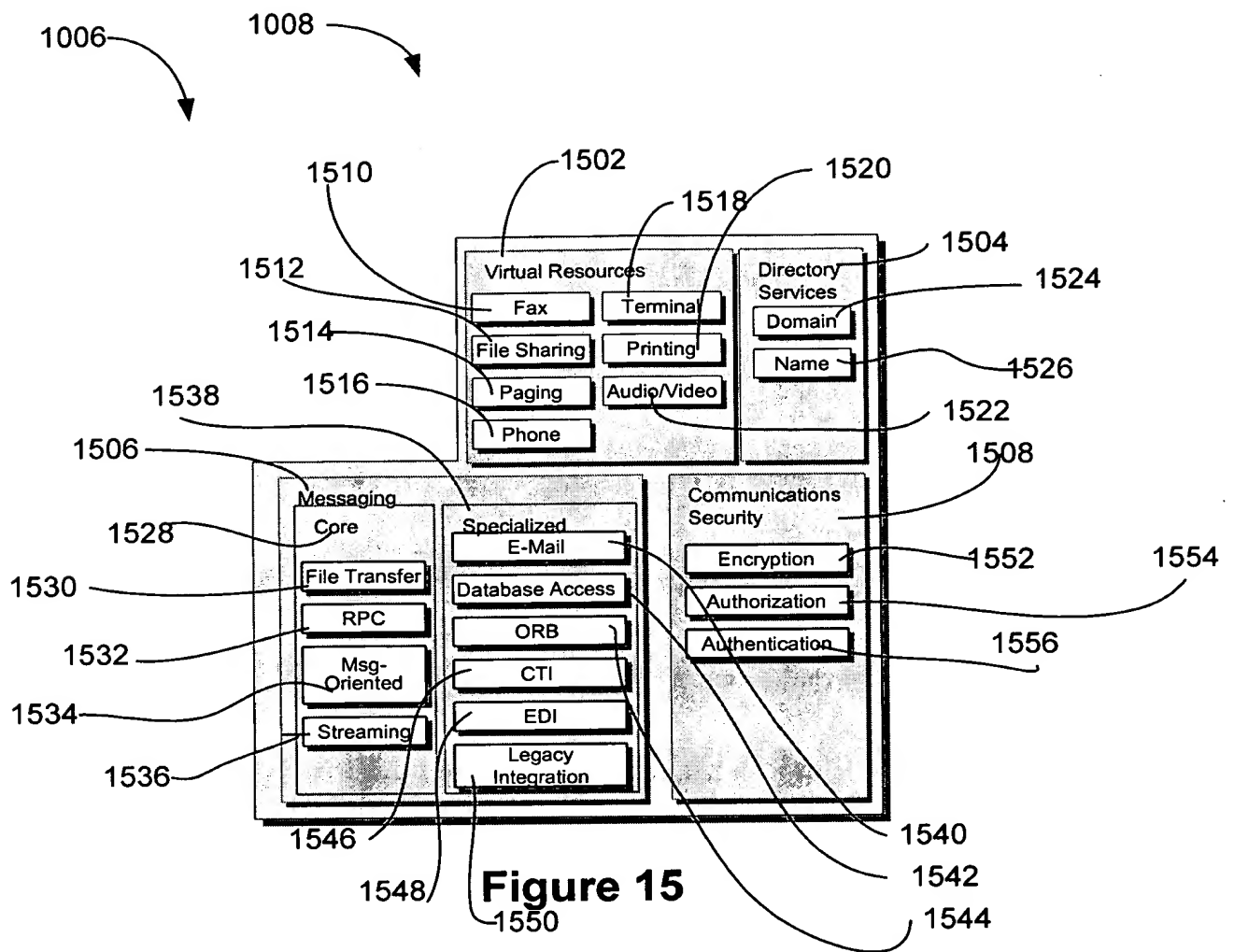


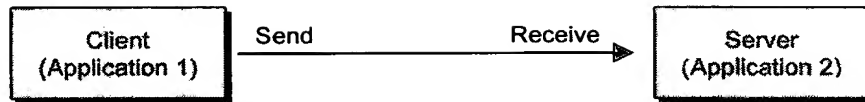


**Figure 13**

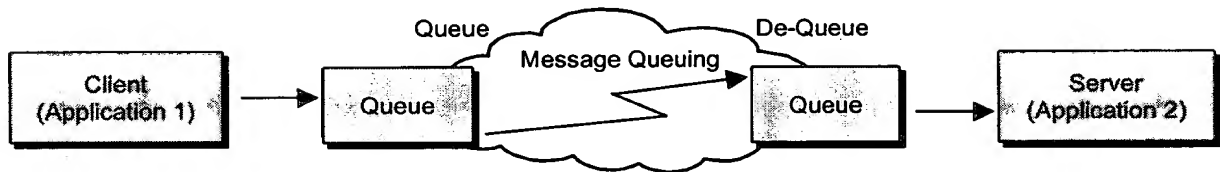


**Figure 14**

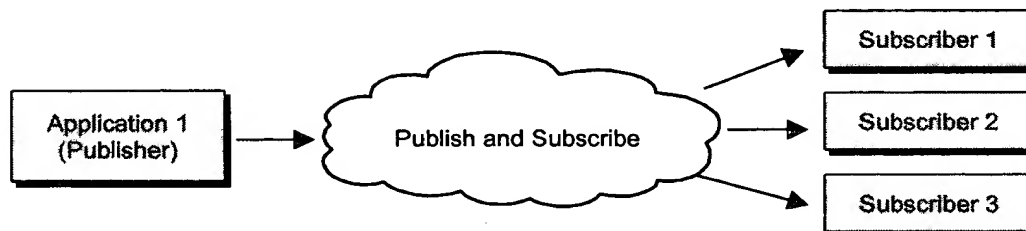




**Figure 17**



**Figure 18**



**Figure 19**

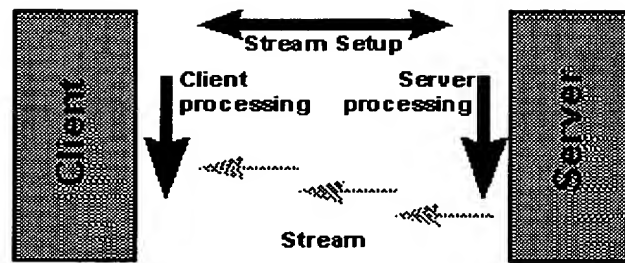


Figure 20

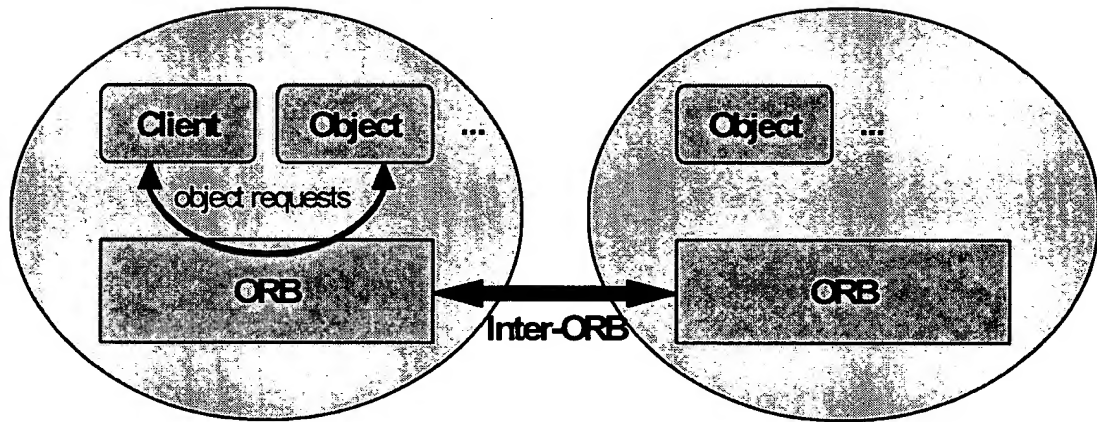


Figure 21

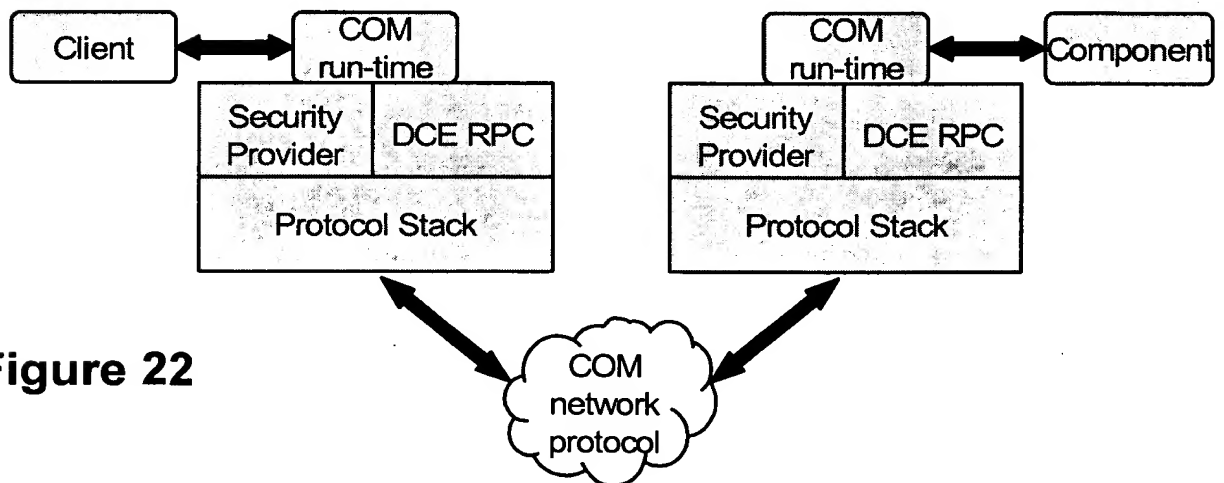


Figure 22

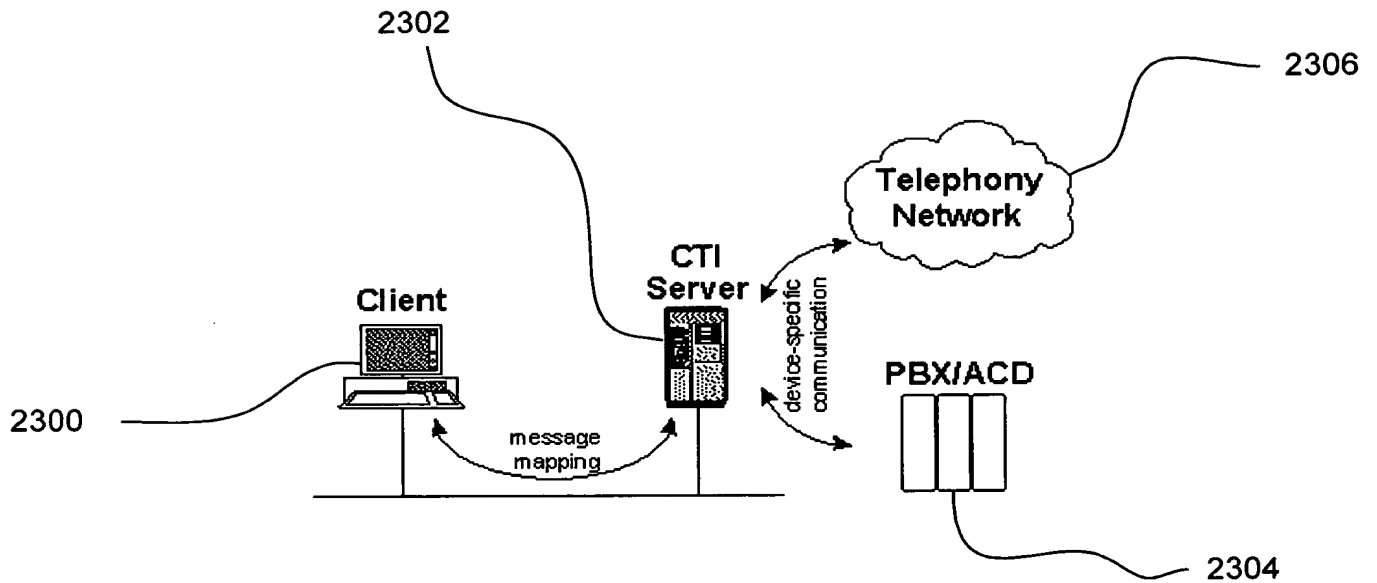


Figure 23

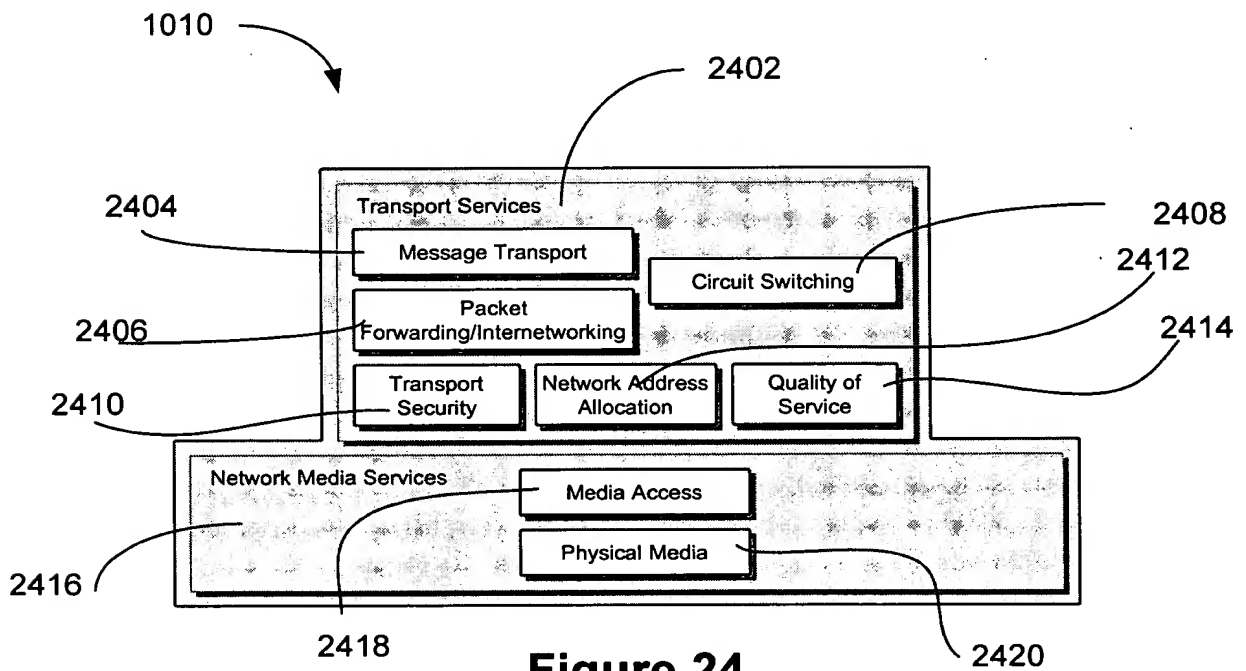


Figure 24

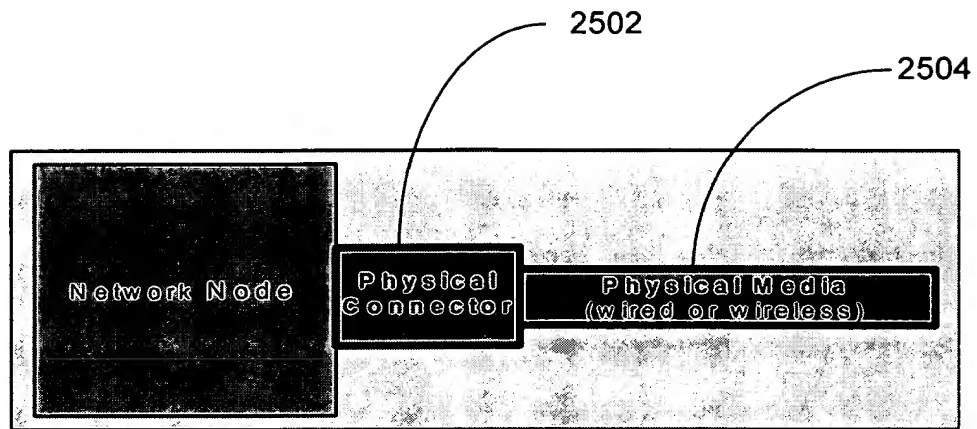


Figure 25

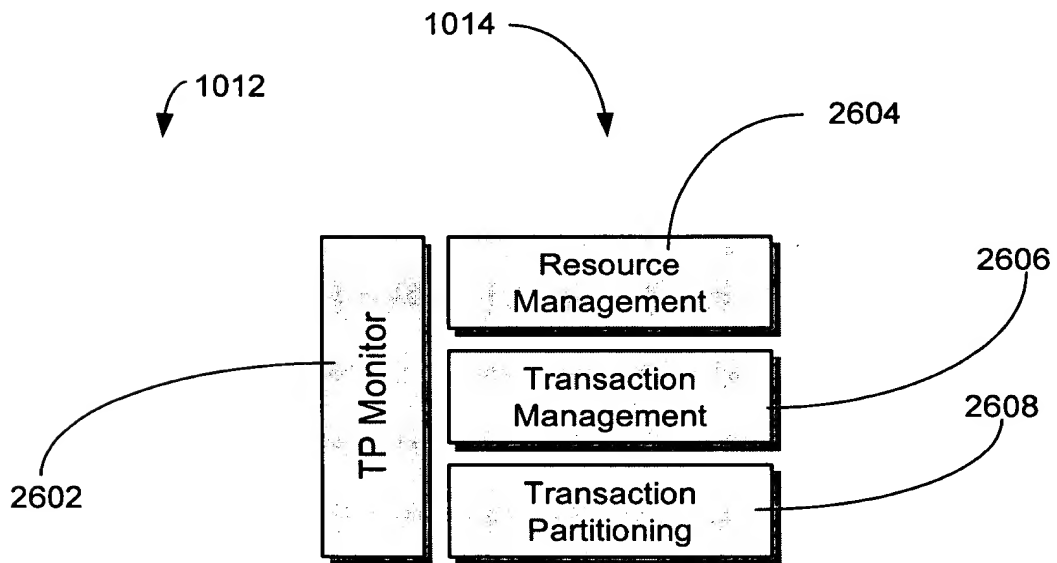
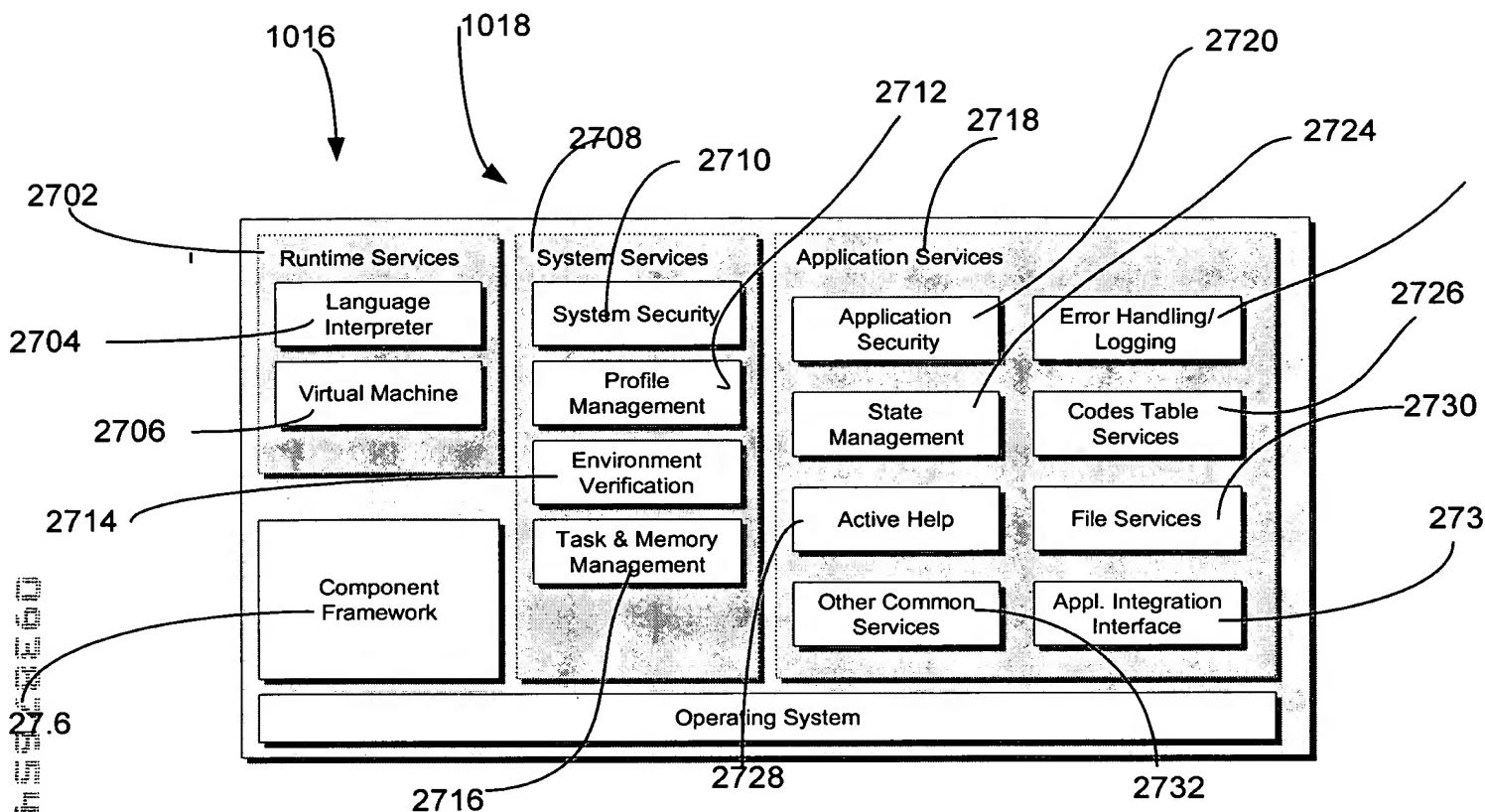
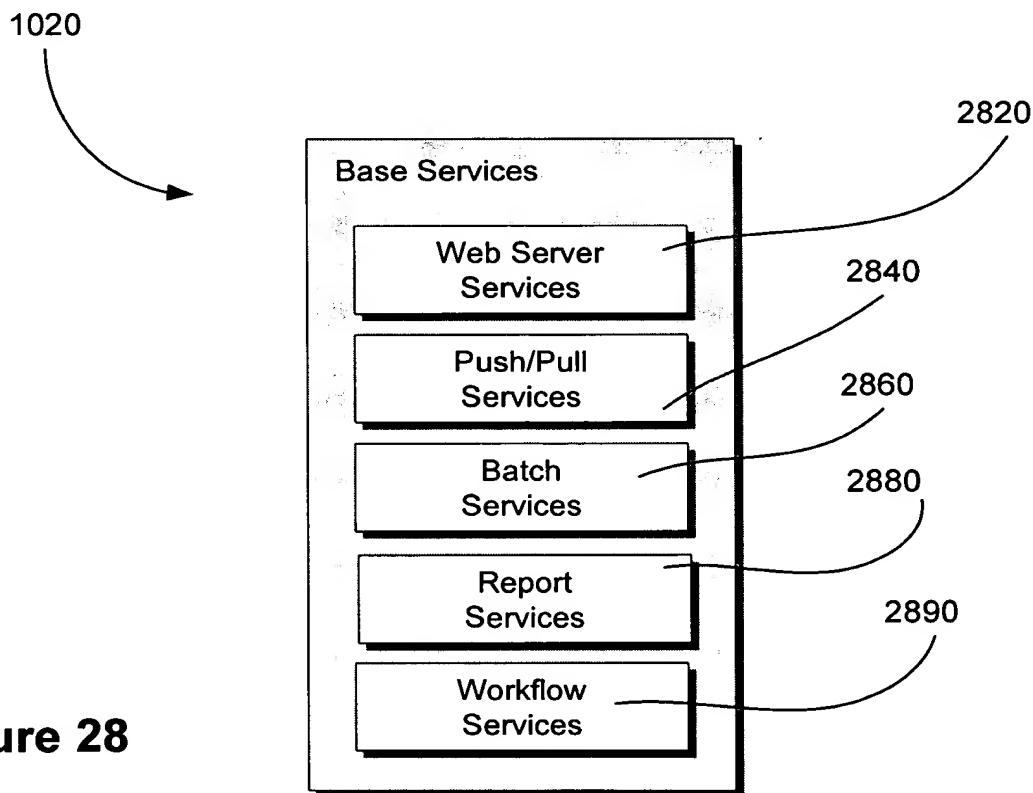


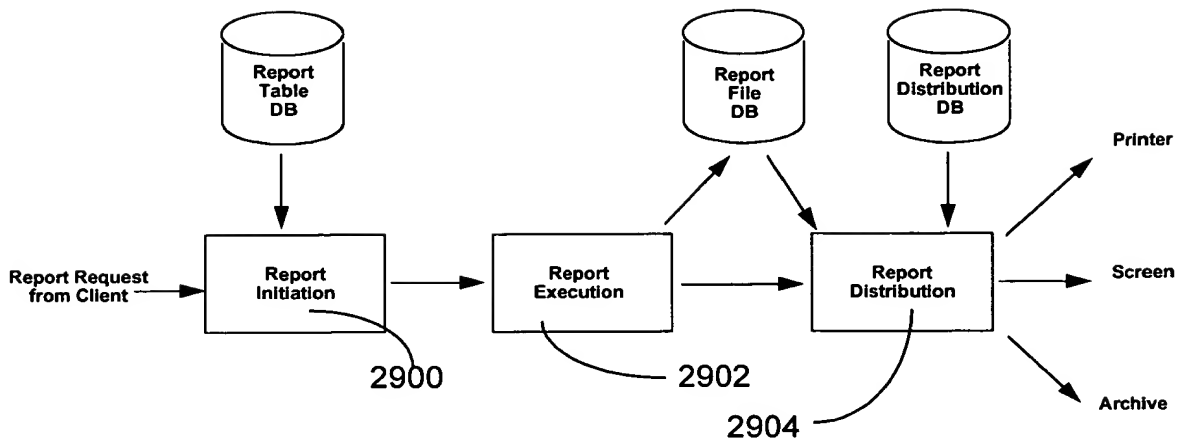
Figure 26



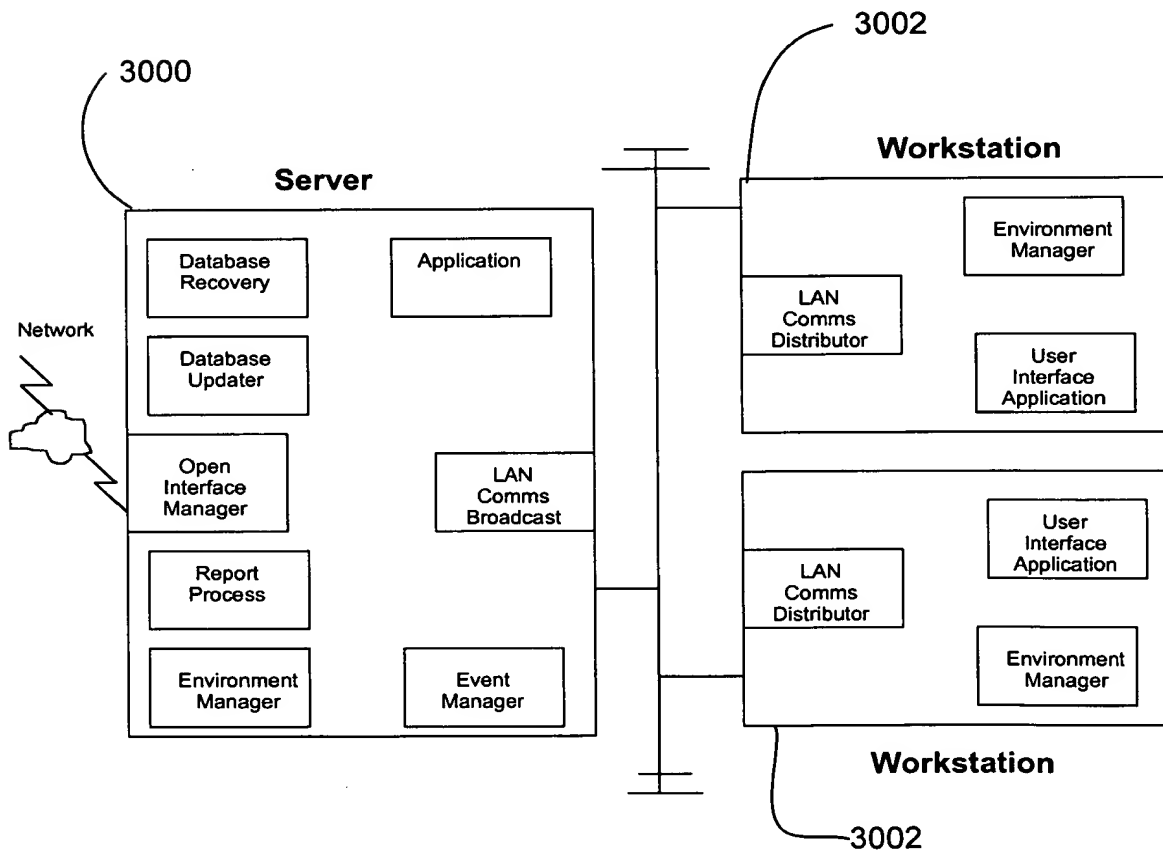
**Figure 27**



**Figure 28**

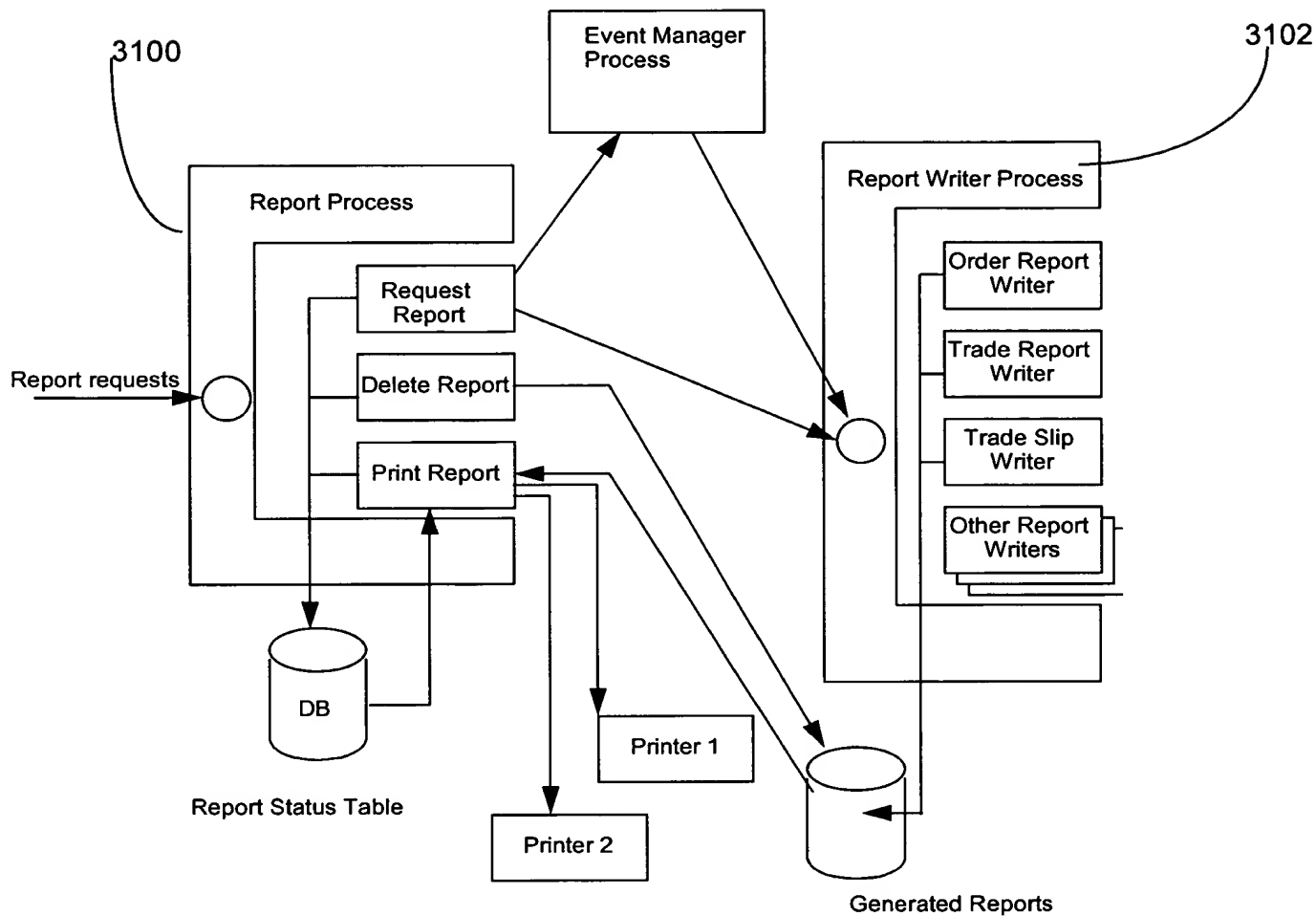


**Figure 29**

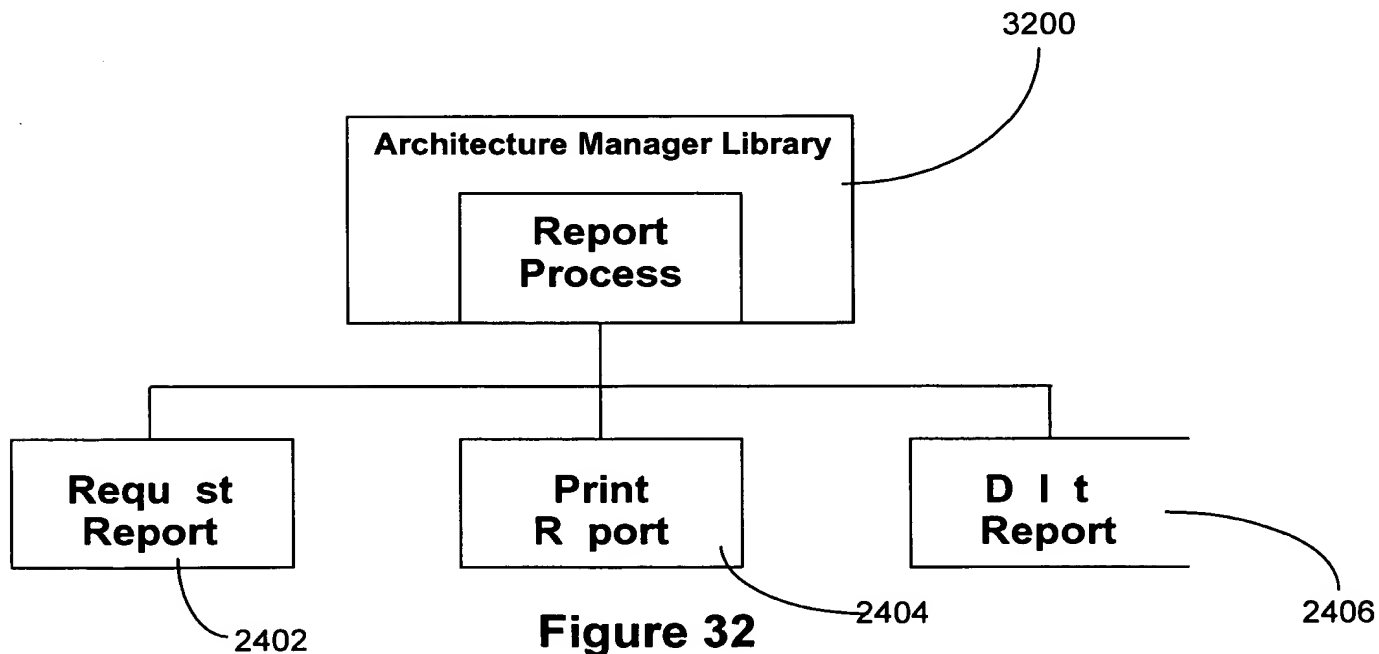


**Figure 30**





**Figure 31**



**Figure 32**



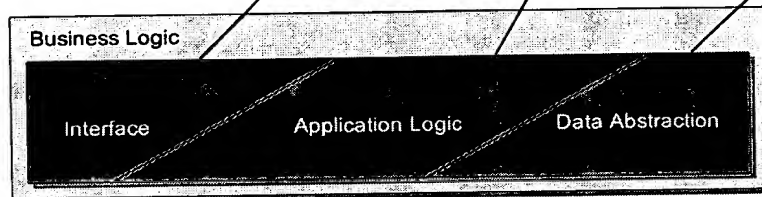
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3300

3302

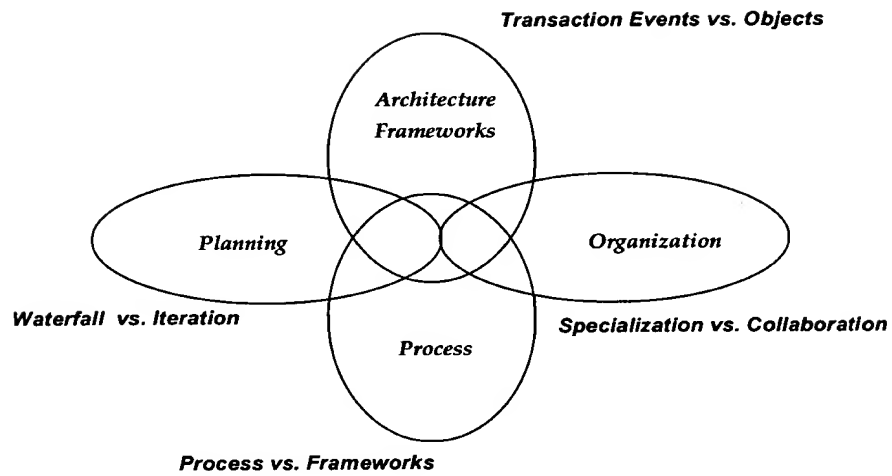
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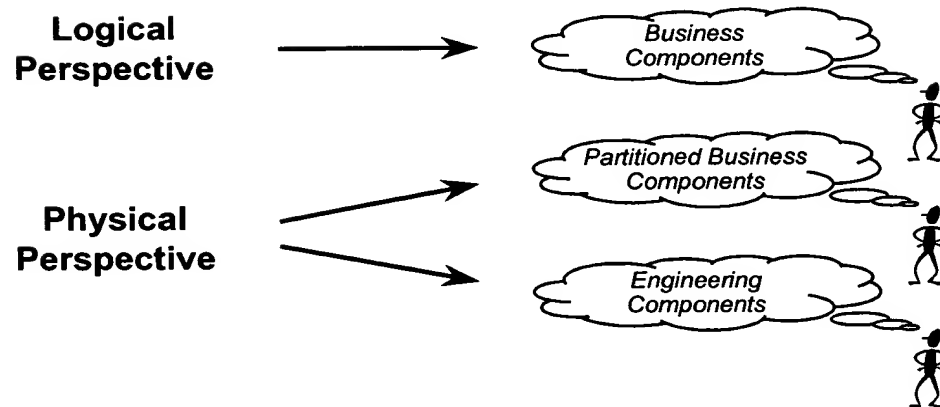
**Figure 33**

667480" 12949660

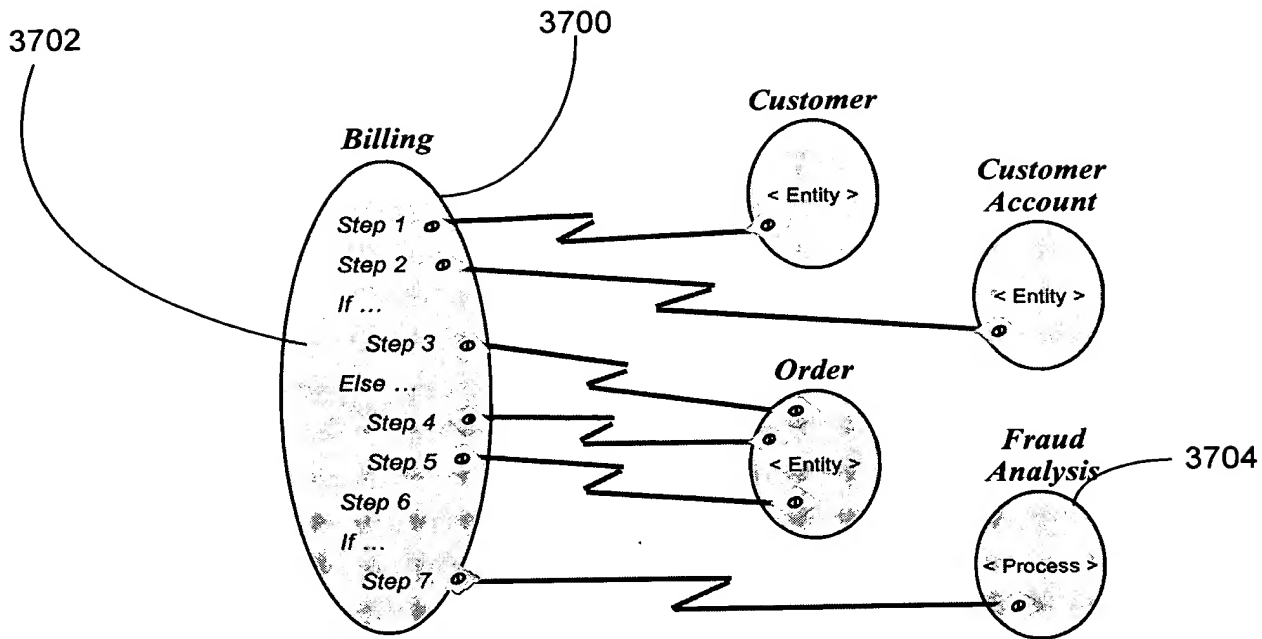
**Overall Themes**



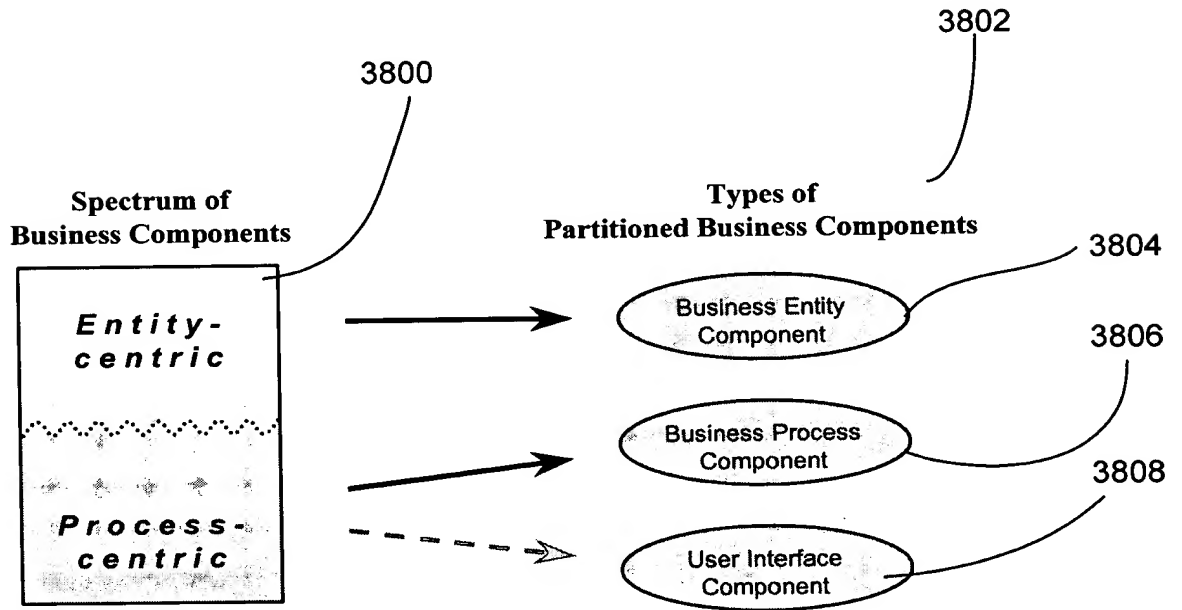
**Figure 34**



**Figure 35**

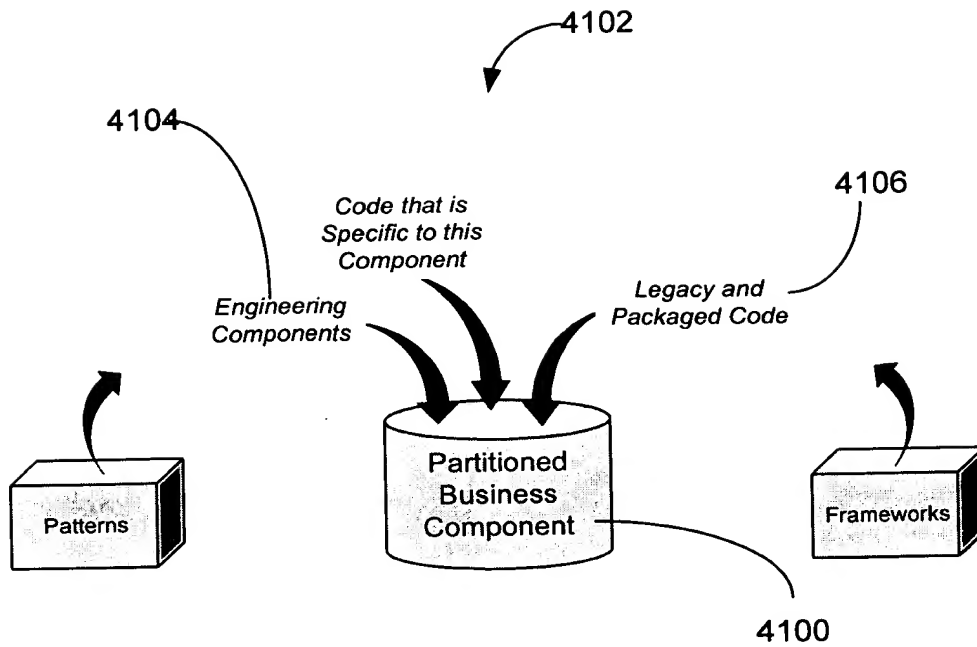


**Figure 37**

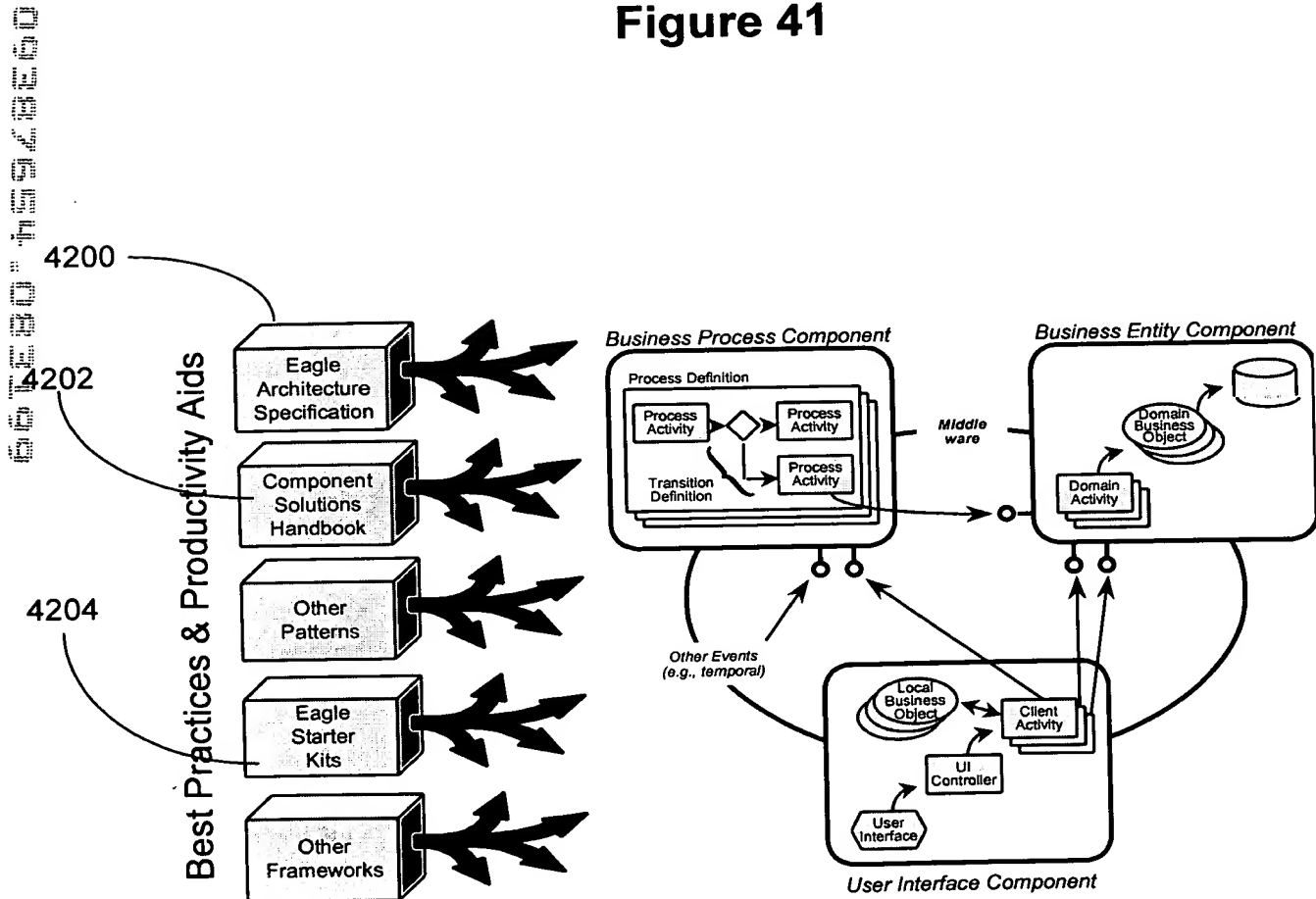


**Figure 38**

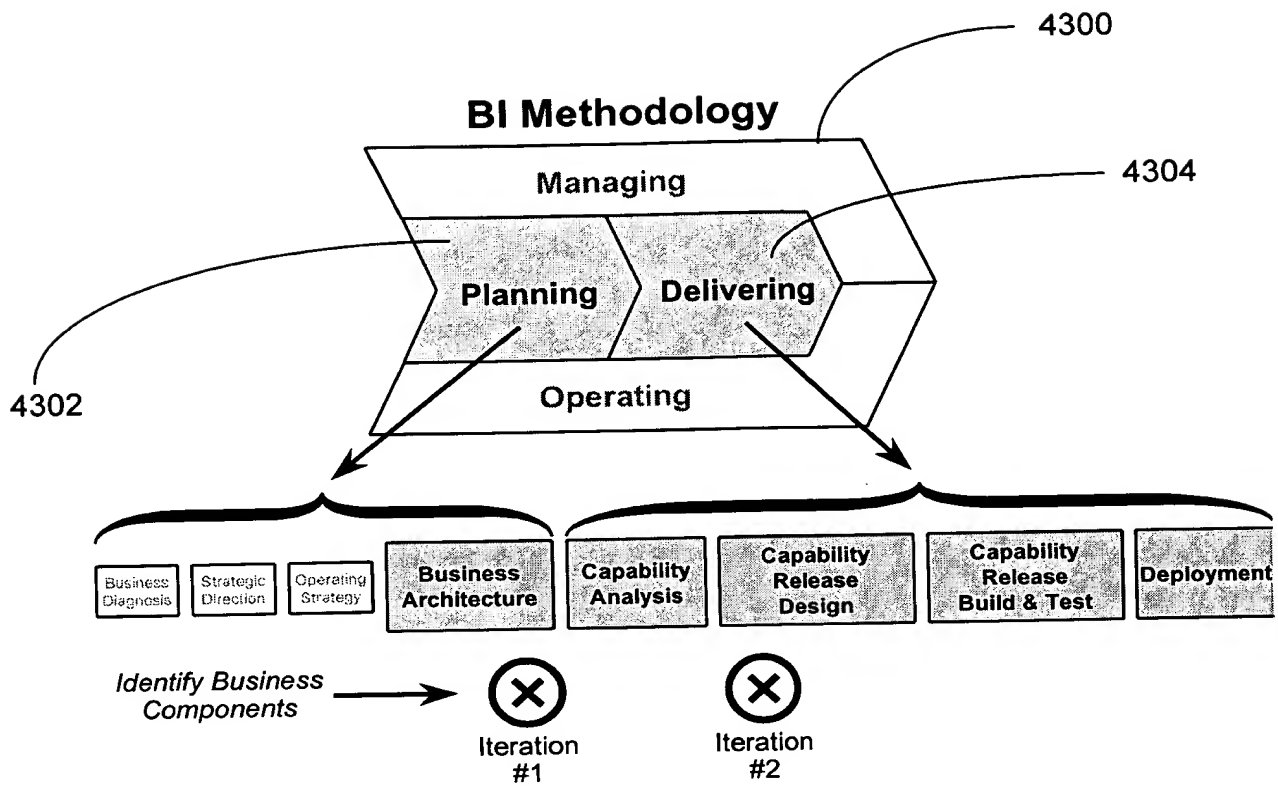




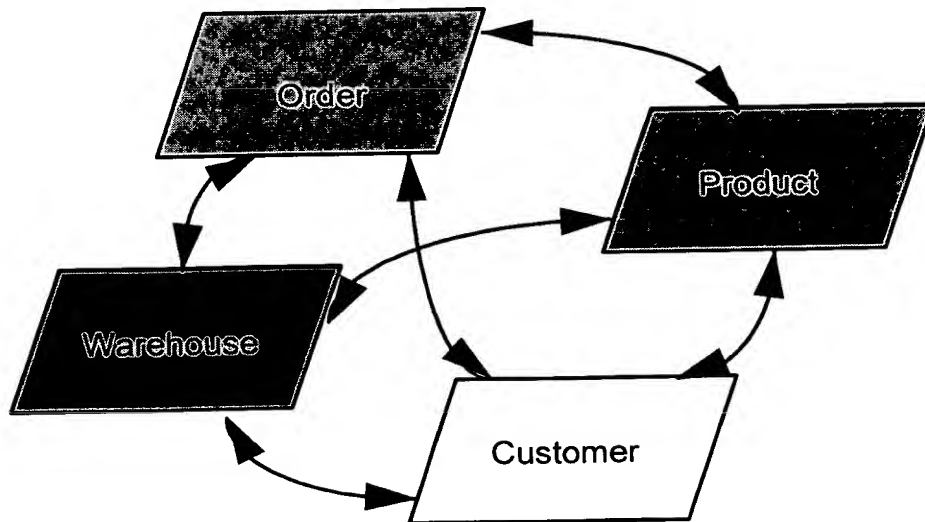
**Figure 41**



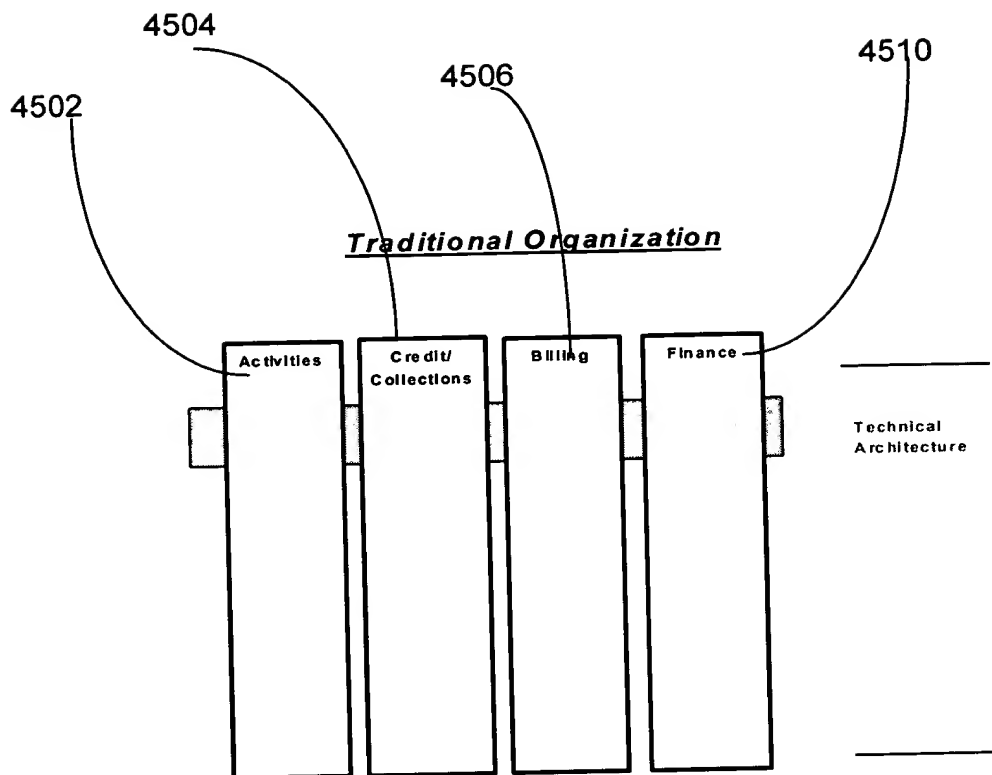
**Figure 42**



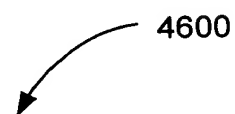
**Figure 43**



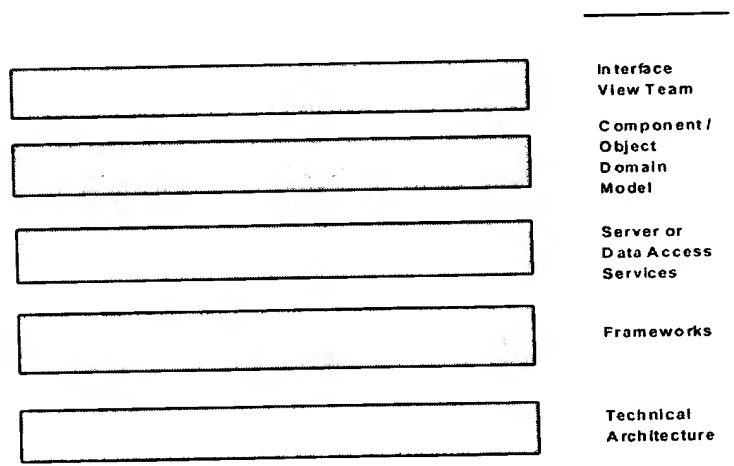
**Figure 44**



**Figure 45**



**Architecture-Based Organization**



**Figure 46**



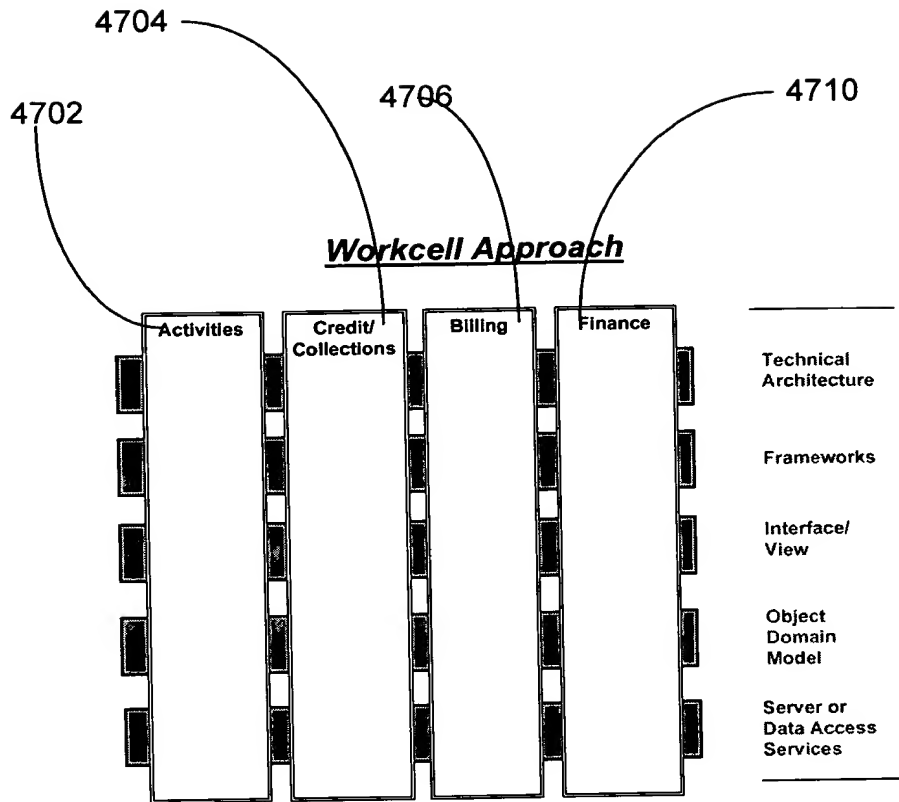


Figure 47

4800

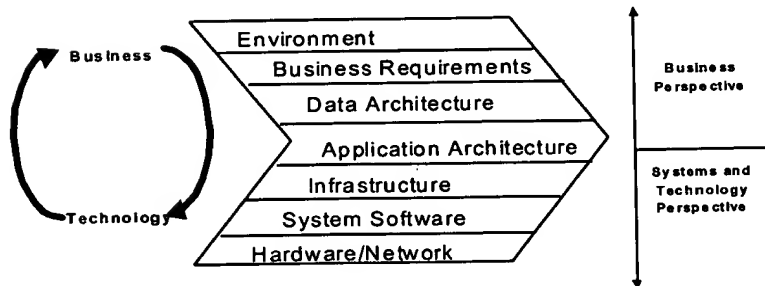
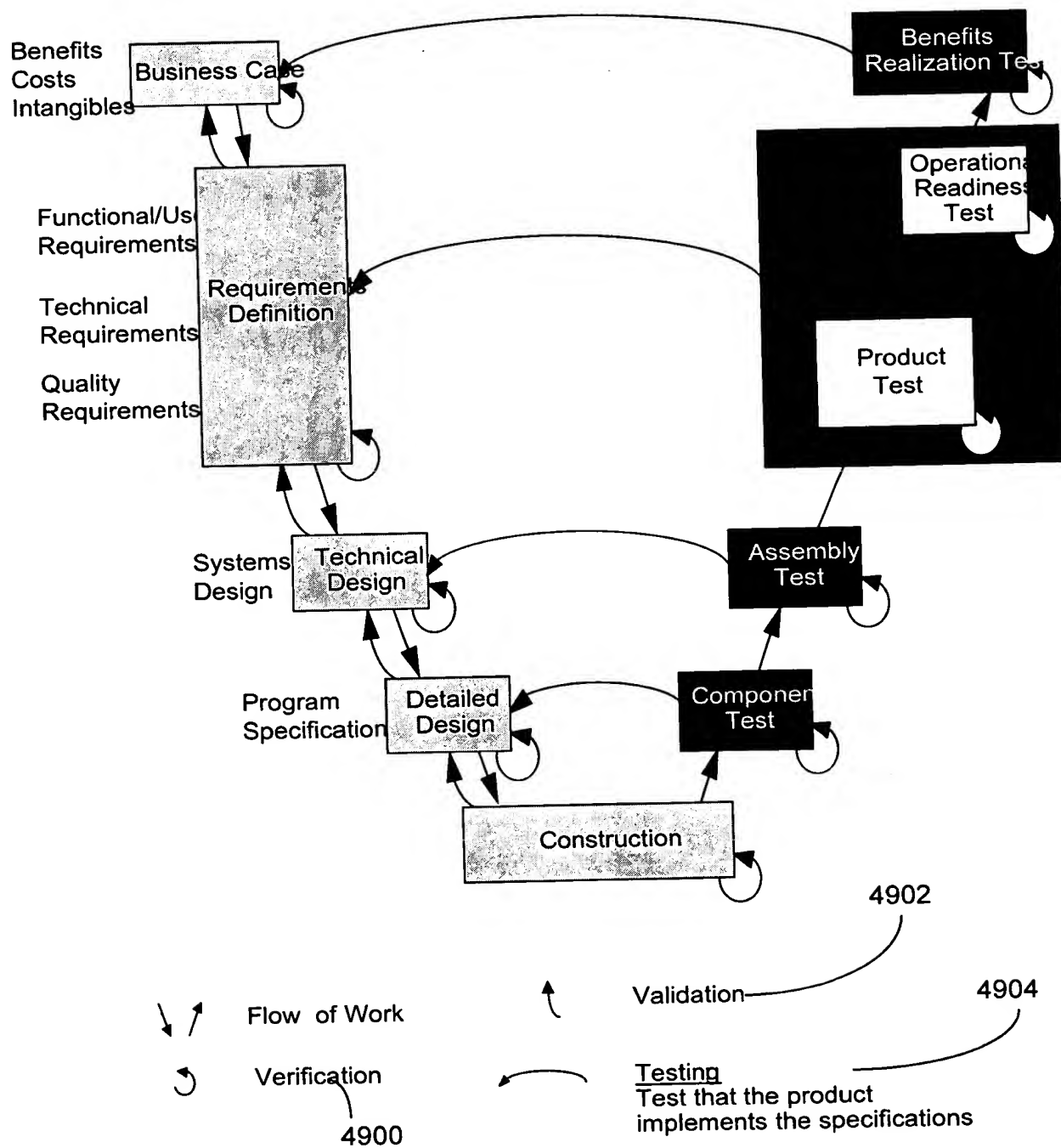
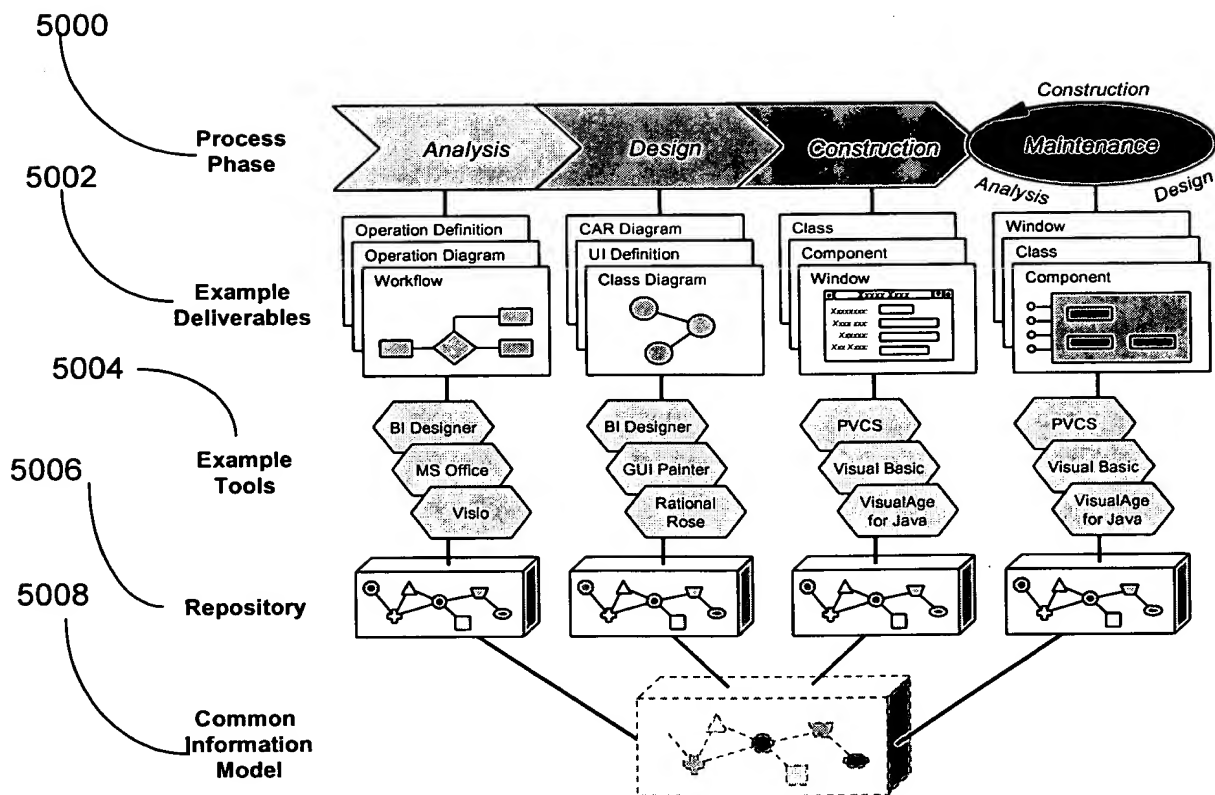


Figure 48



**Figure 49**



**Figure 50**

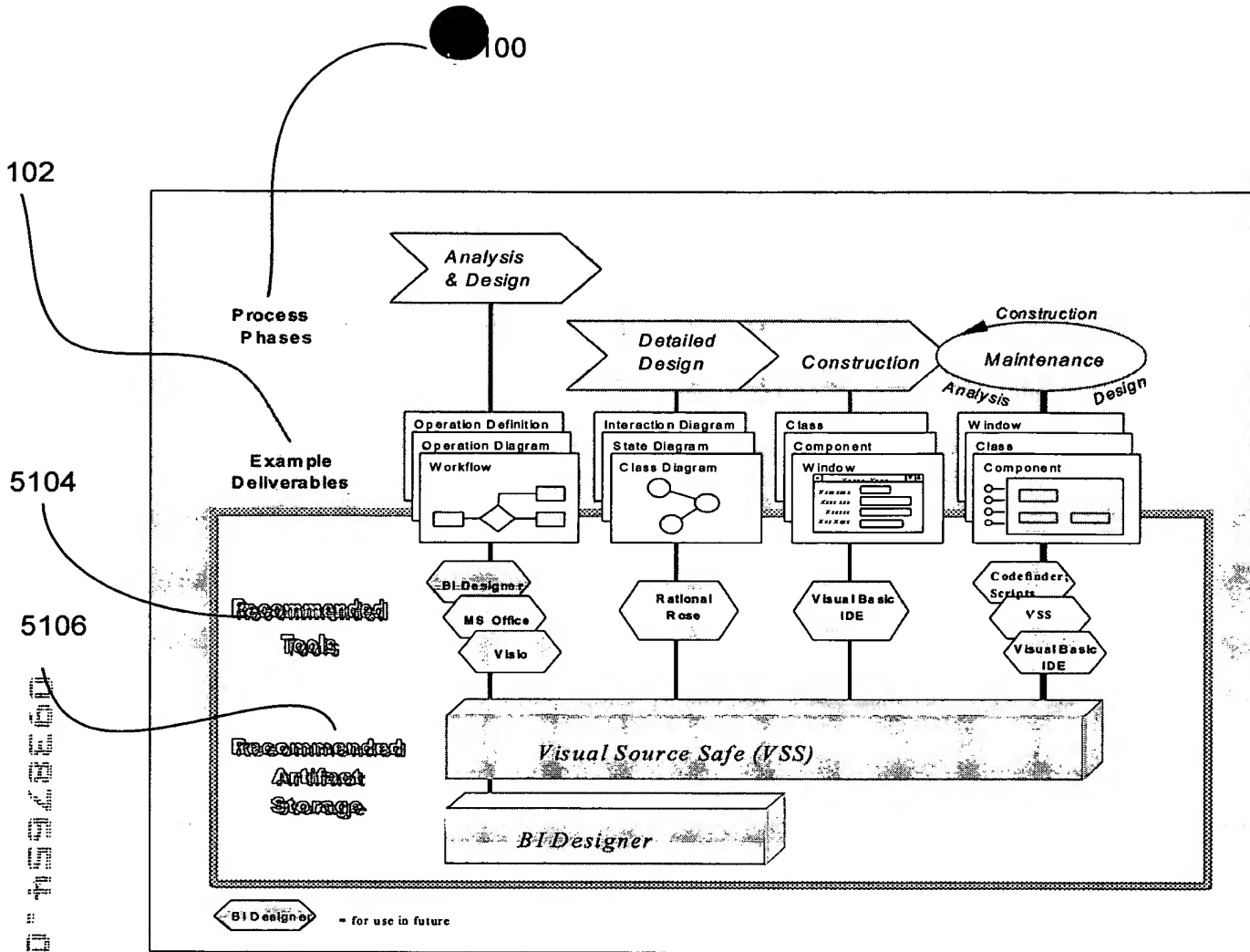


Figure 51

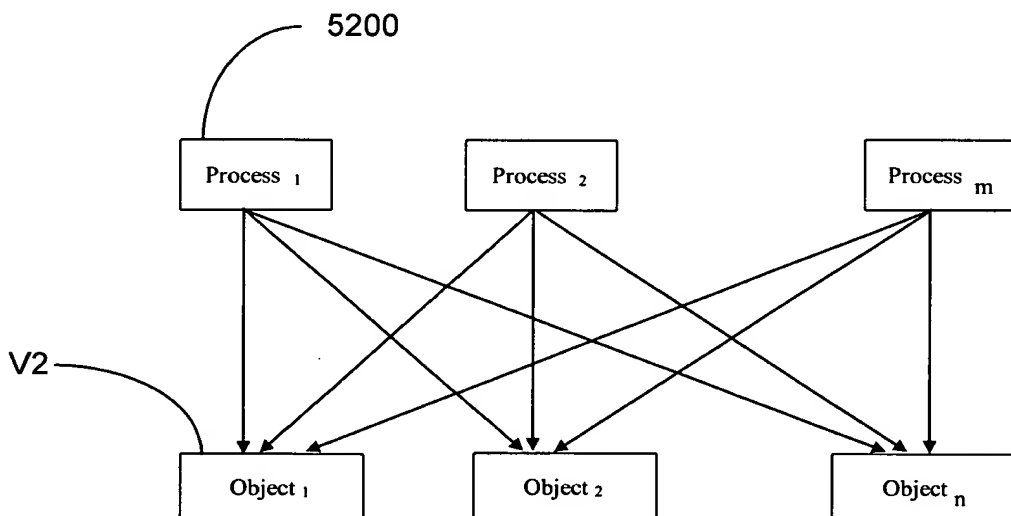
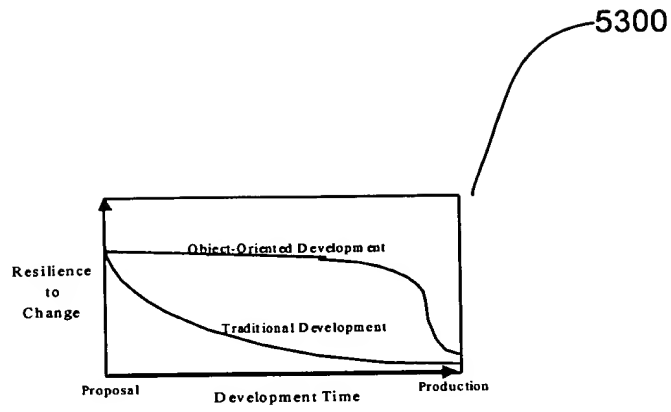
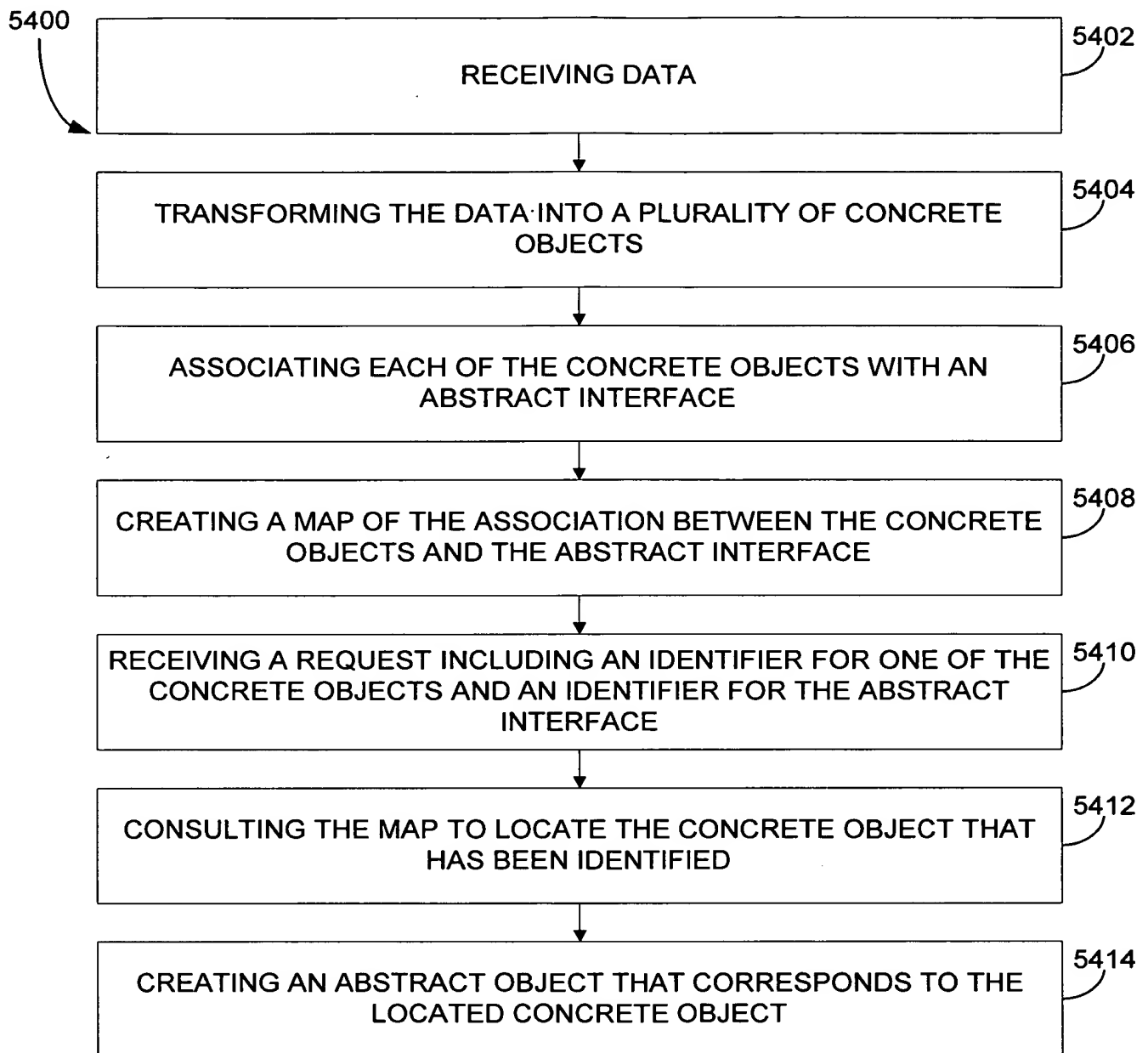


Figure 52

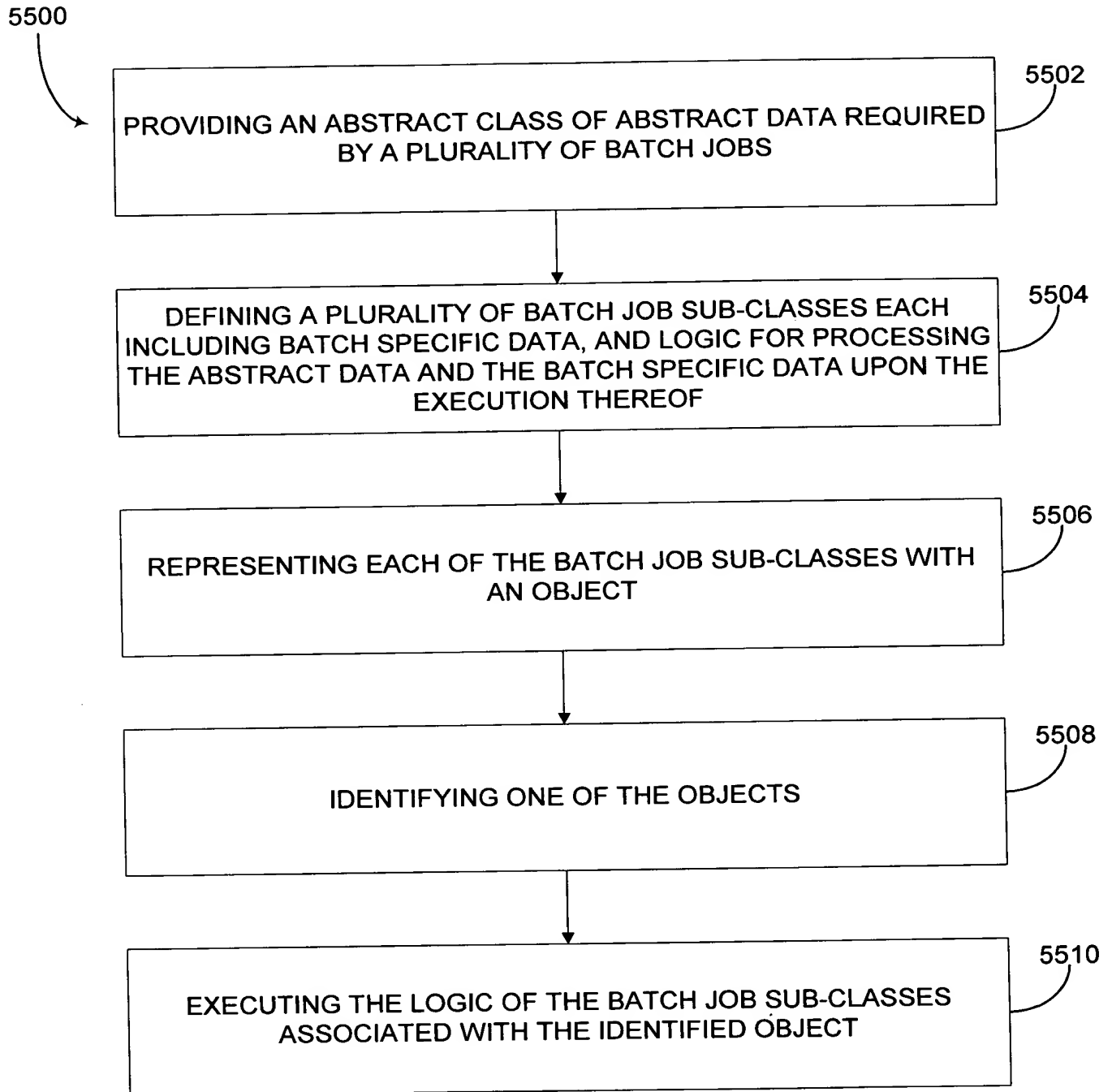


**Figure 53**

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007230-49973360



**Figure 54**



**Figure 55**

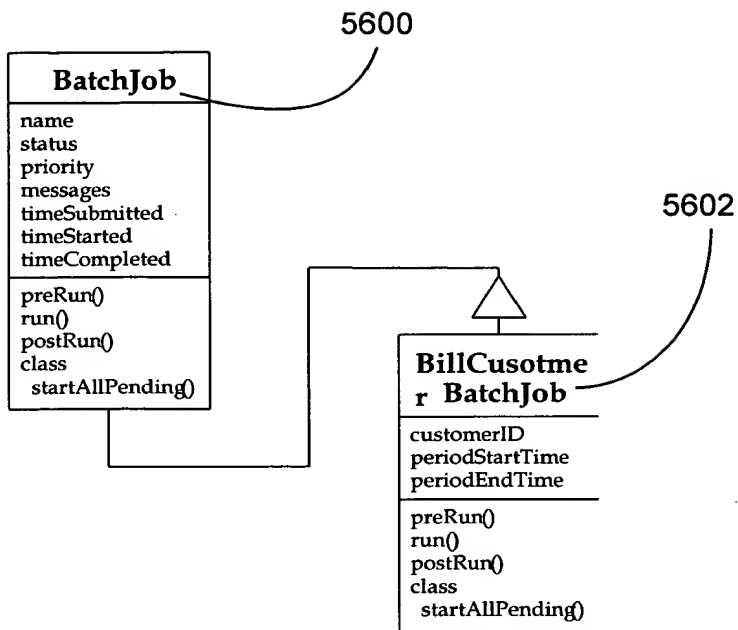


Figure 56

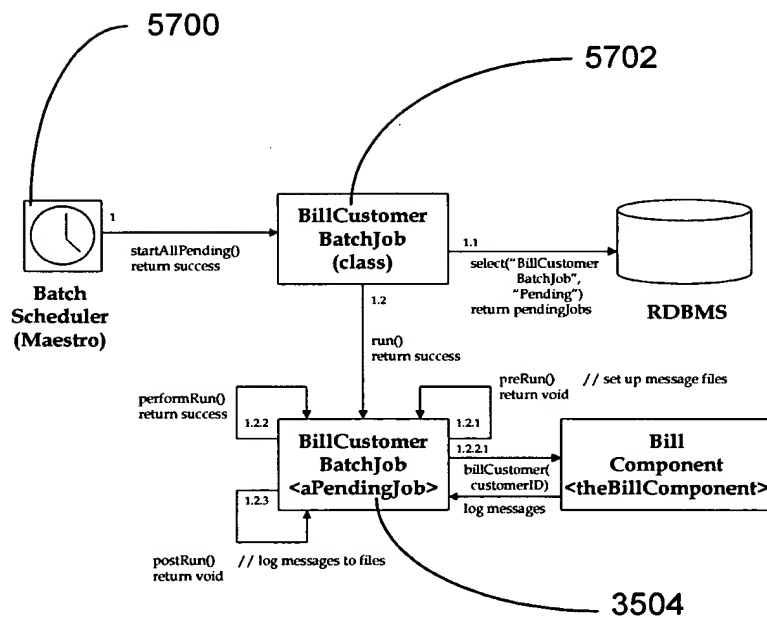
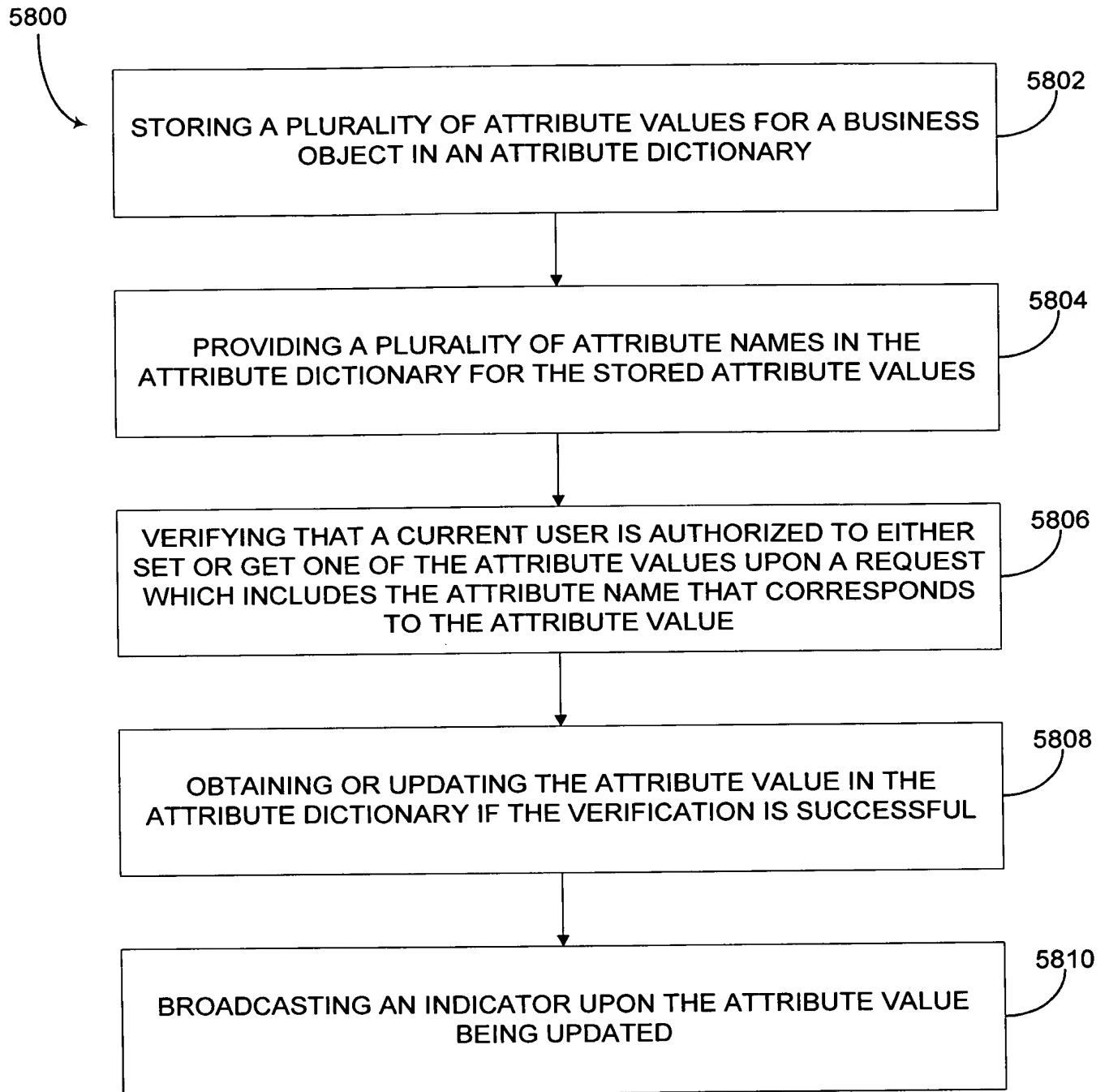
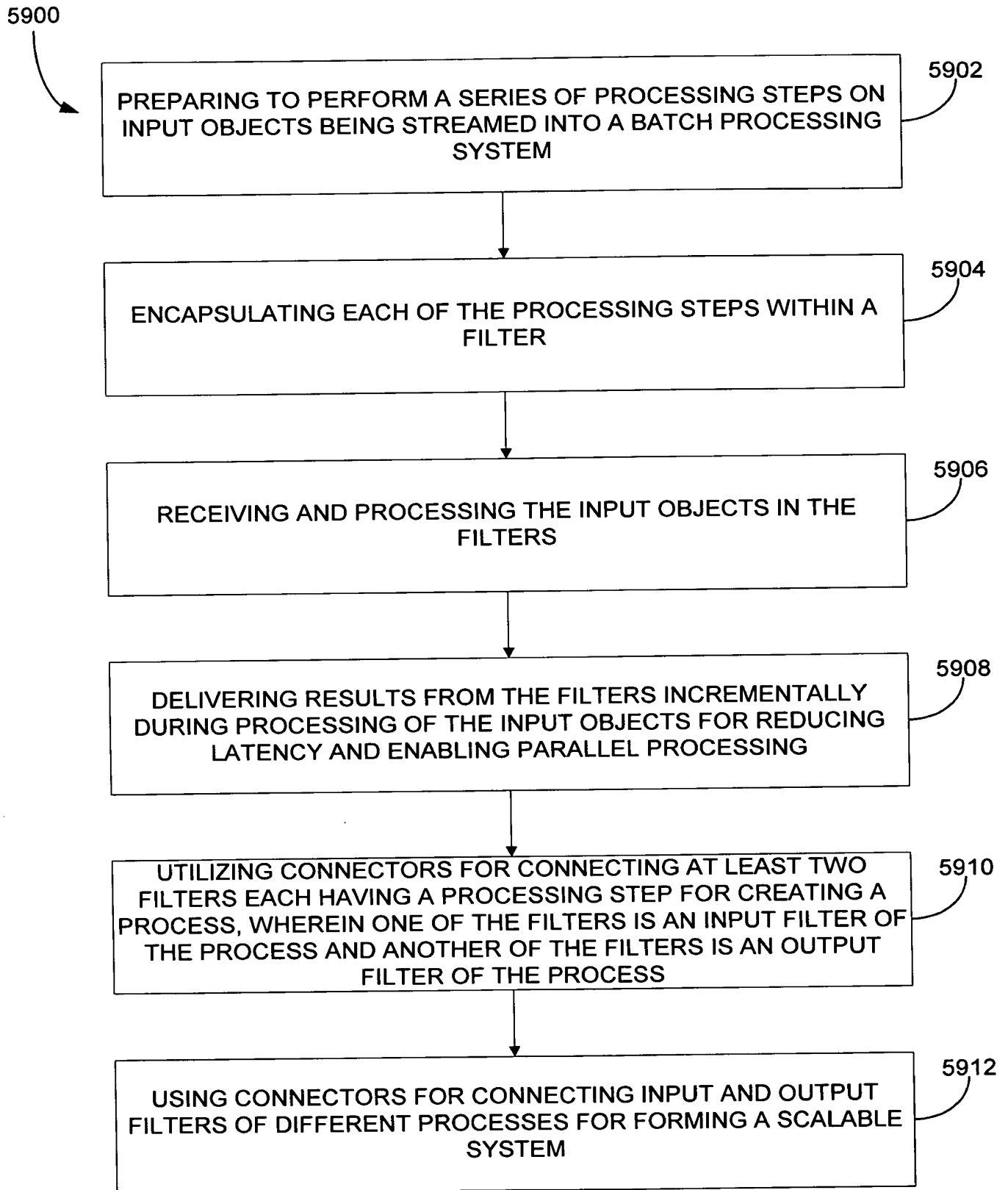


Figure 57



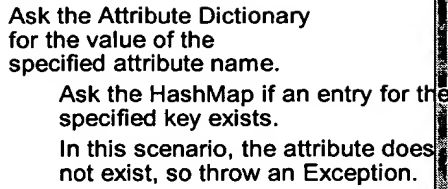


**Figure 58**

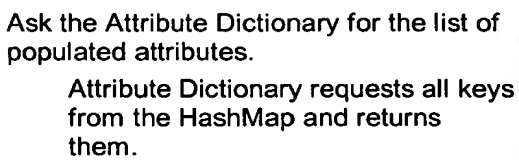


**Figure 59**





6300



### Figure 63

6400

PROVIDING A PLURALITY OF CONSTANT NAMES EACH HAVING A  
CORRESPONDING CONSTANT VALUE

6402

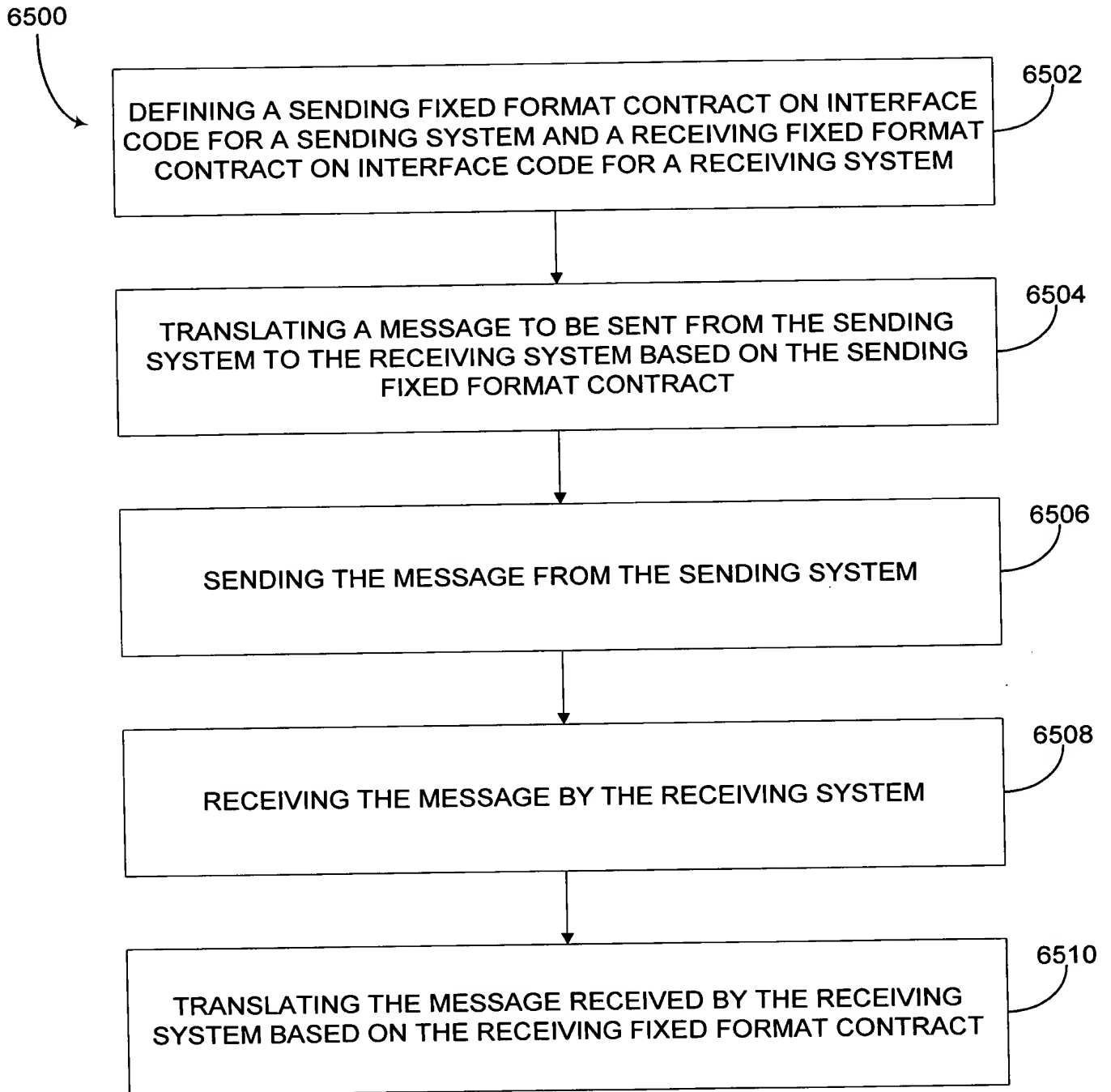
GROUPING THE CONSTANT NAMES INTO CONSTANT CLASSES  
BASED ON AN ENTITY WHICH THE CONSTANT VALUES  
REPRESENTS

6404

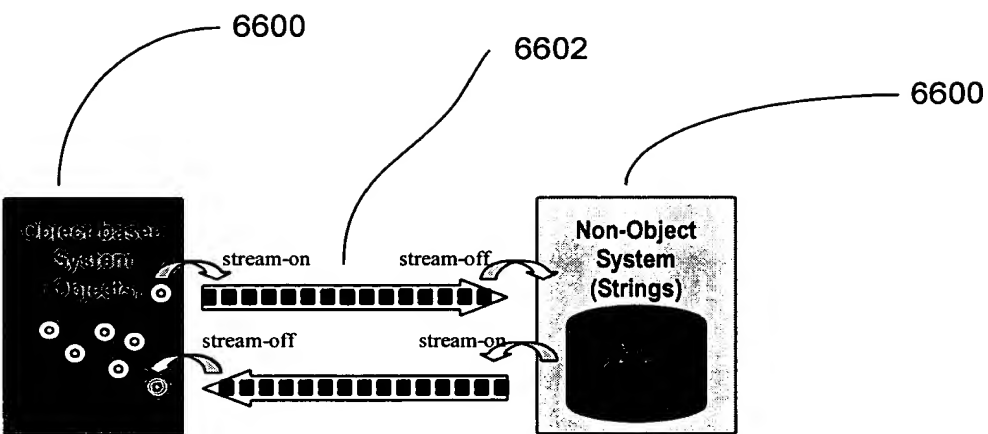
ALLOWING ACCESS TO THE CONSTANT VALUES BY RECEIVING A  
CALL INCLUDING THE CORRESPONDING CONSTANT NAME AND  
CORRESPONDING CONSTANT CLASS

6406

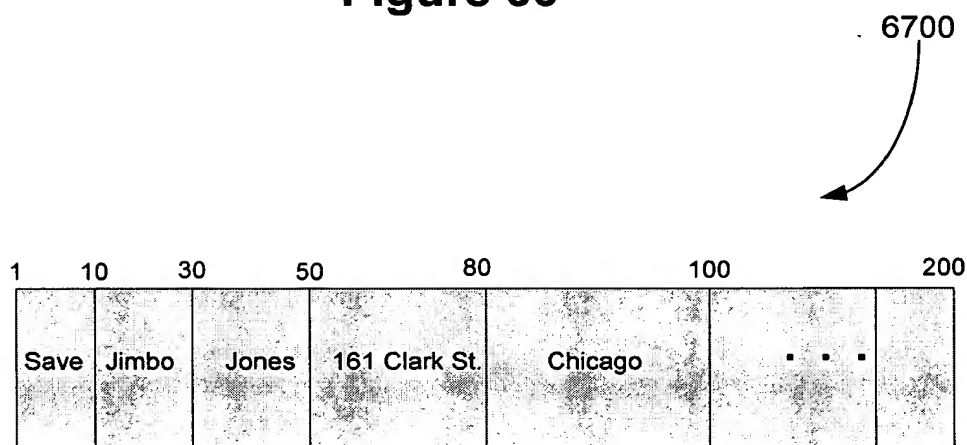
**Figure 64**



**Figure 65**



**Figure 66**



**Figure 67**

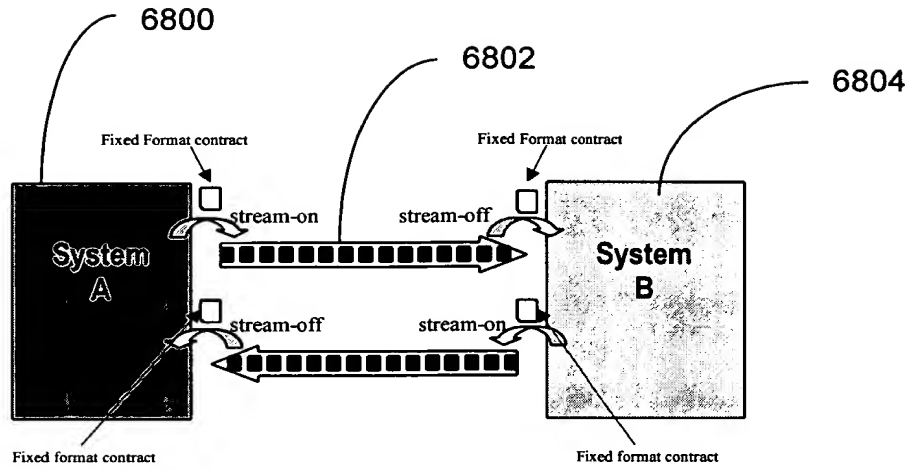


Figure 68

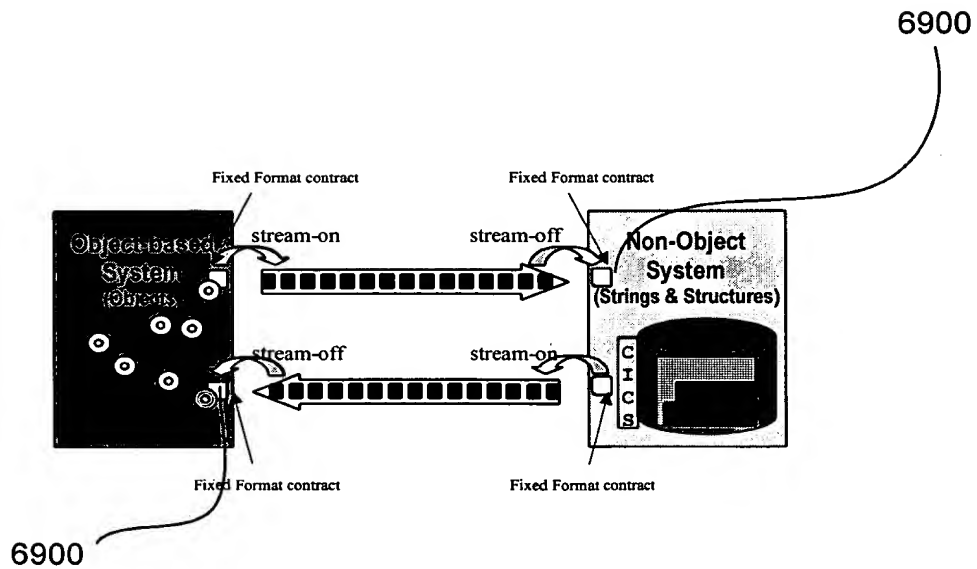


Figure 69



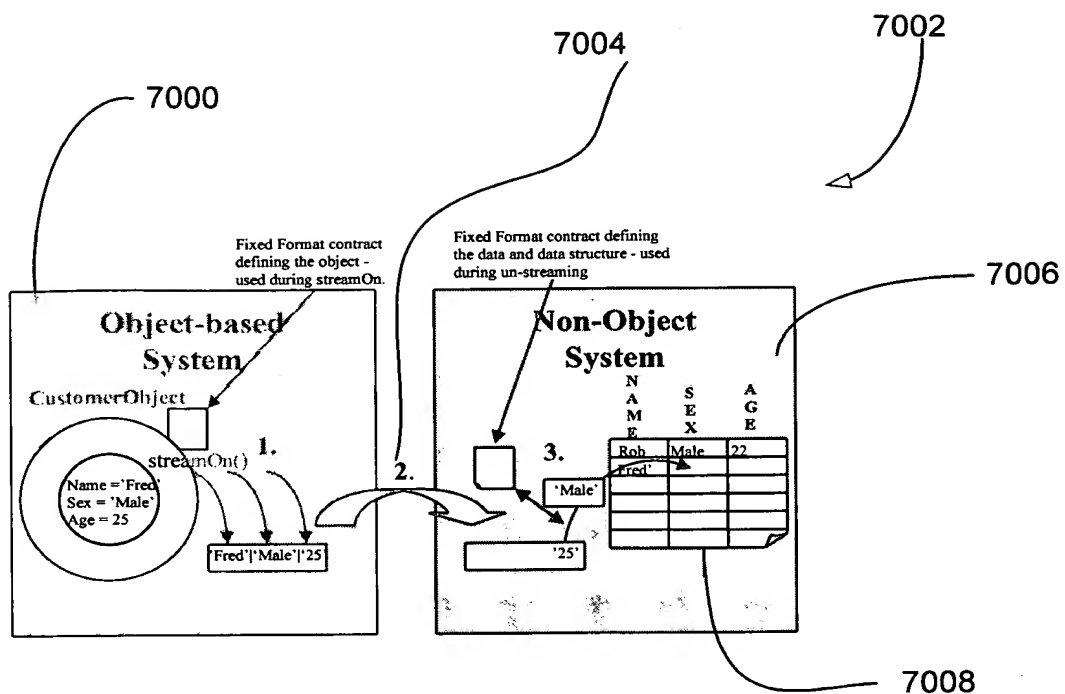


Figure 70

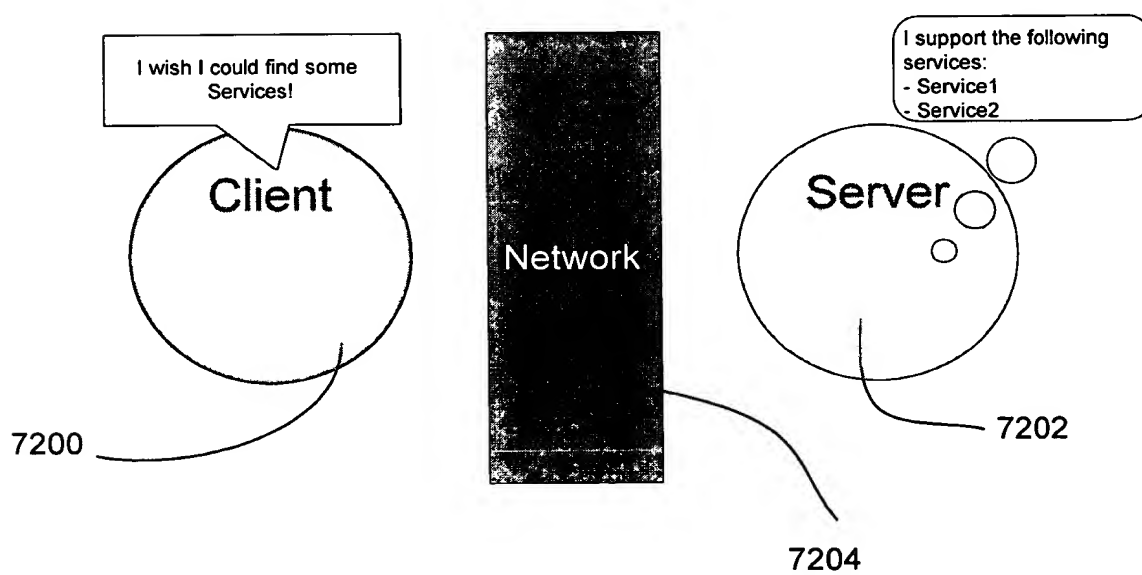


Figure 72

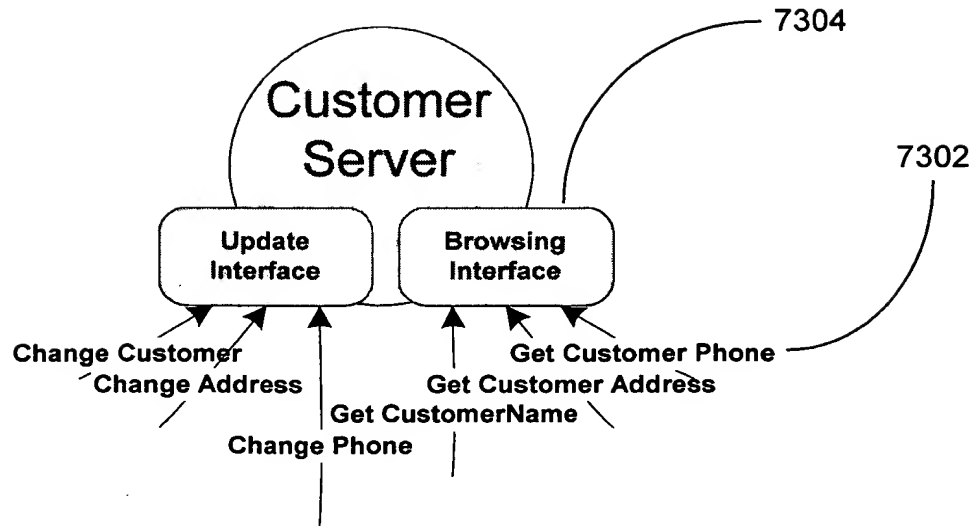


Figure 73

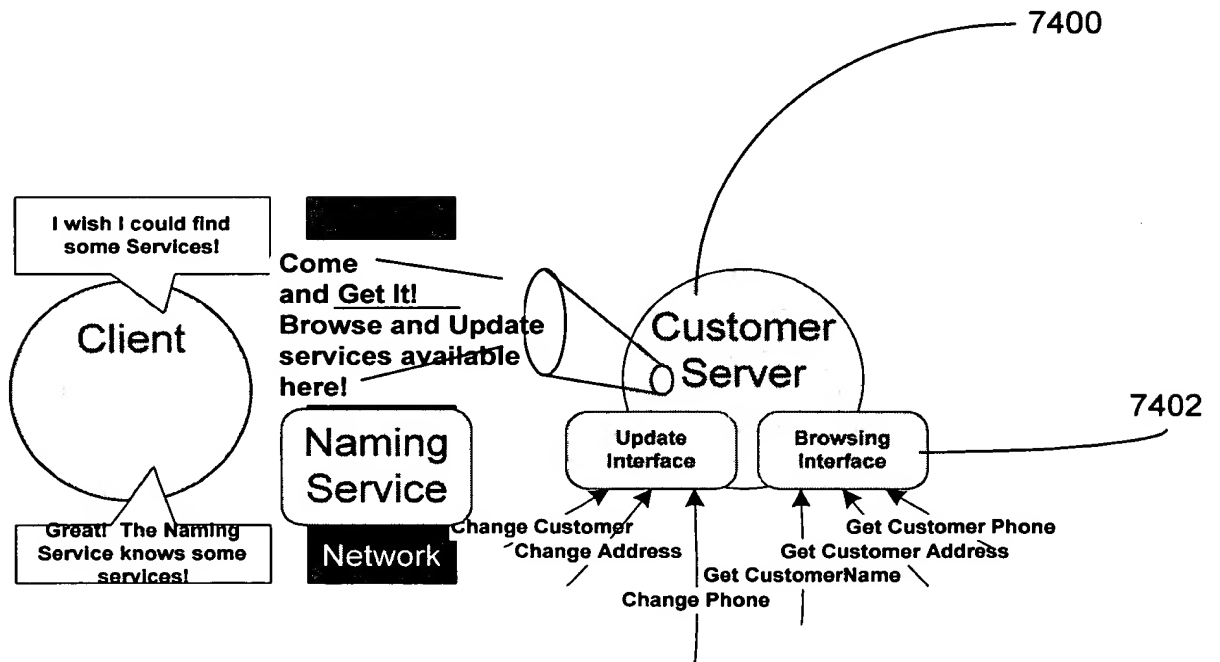


Figure 74

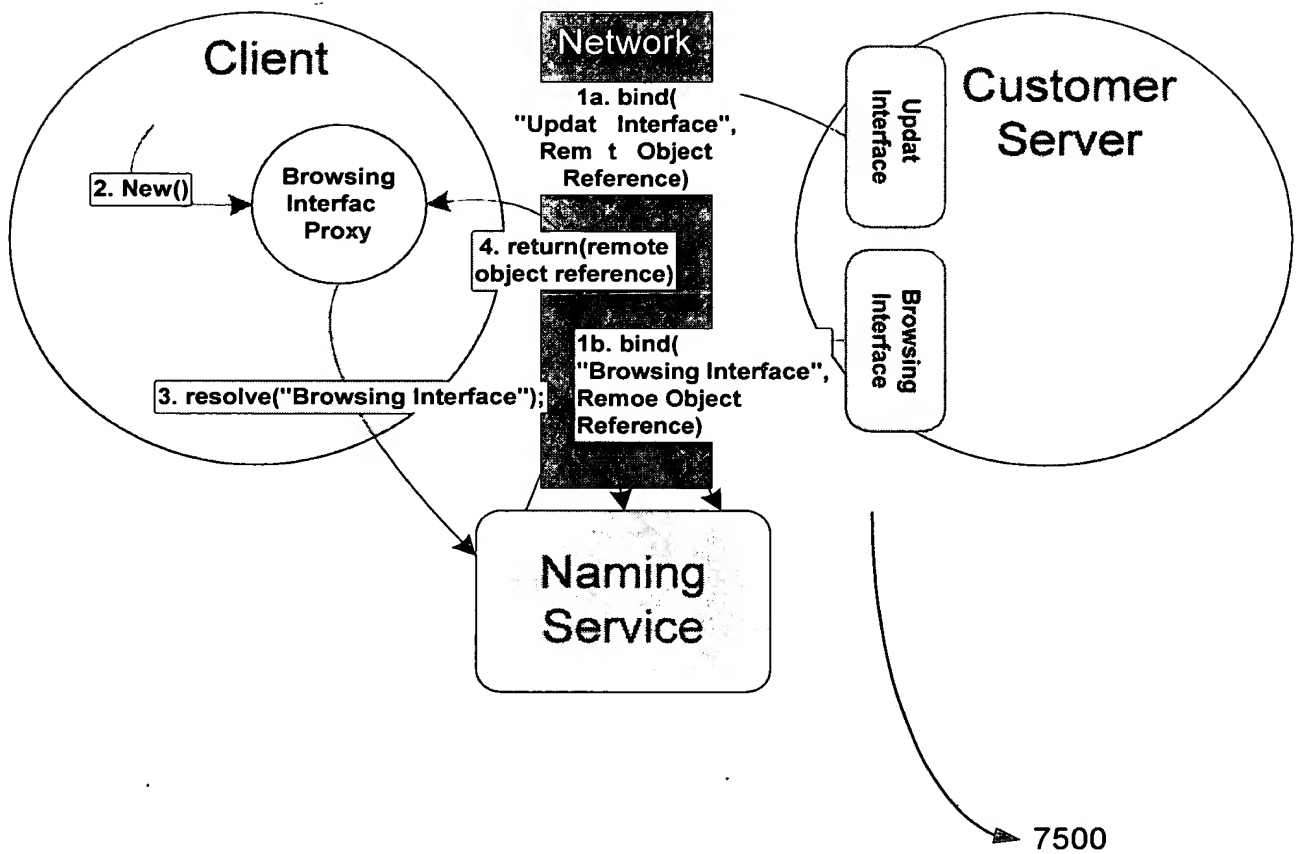


Figure 75

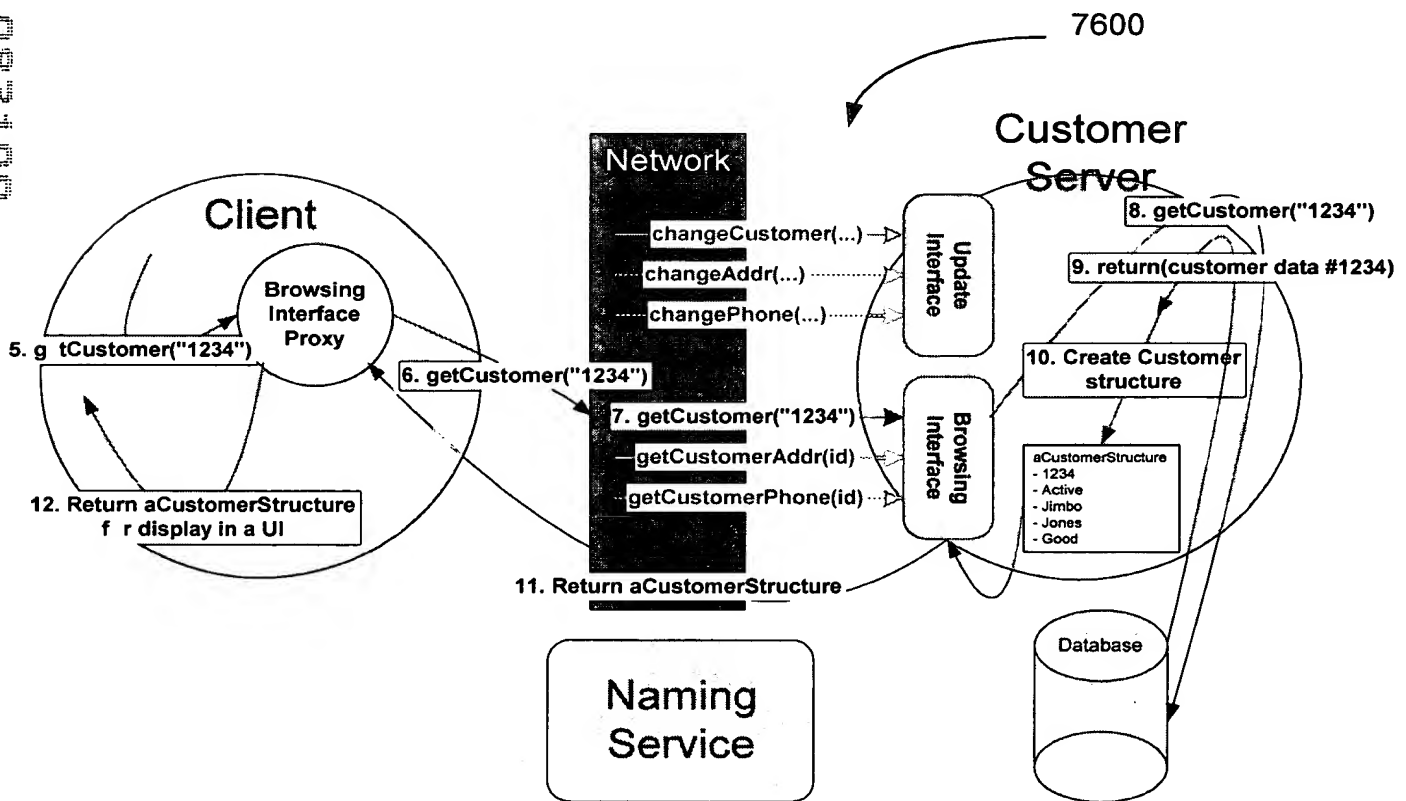
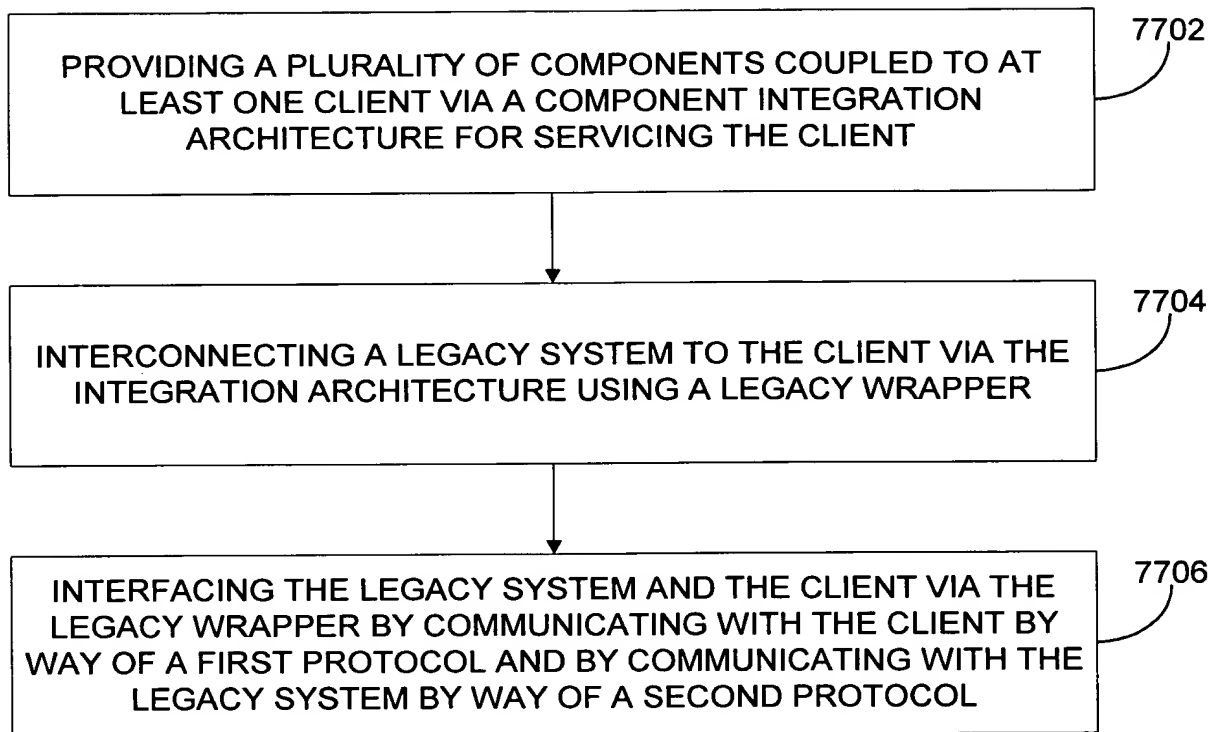
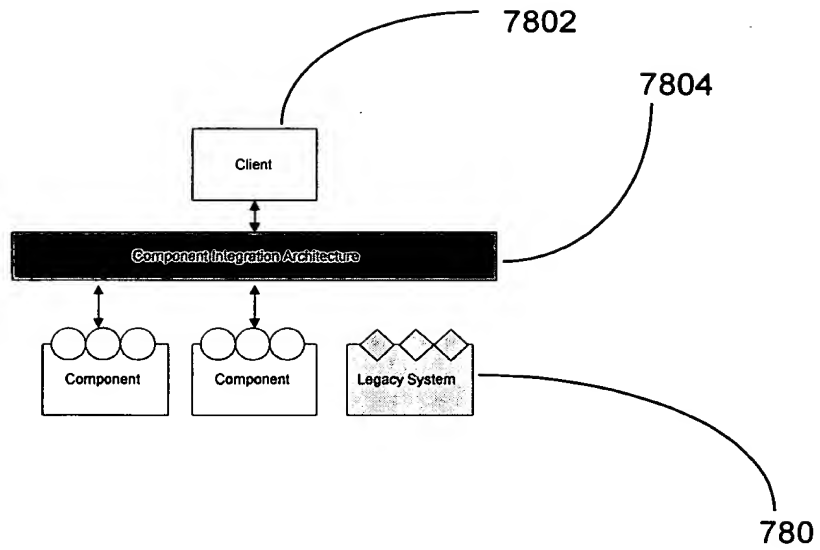


Figure 76

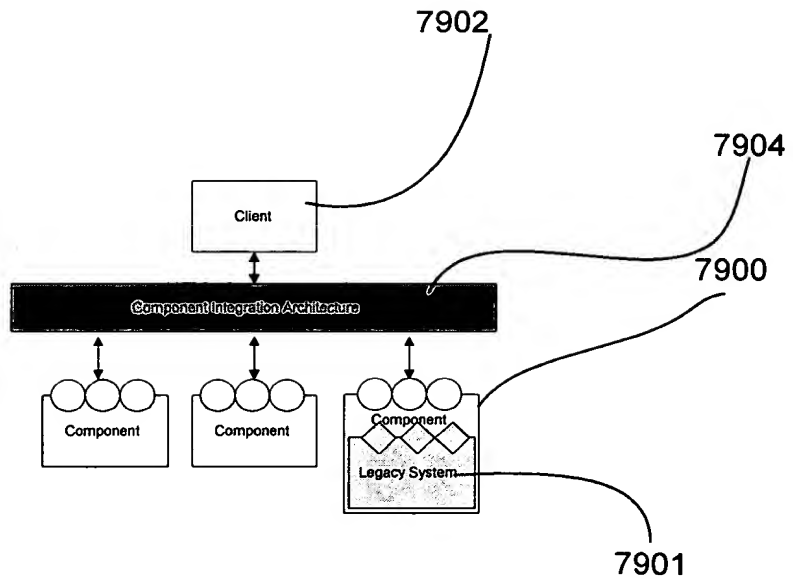
7700



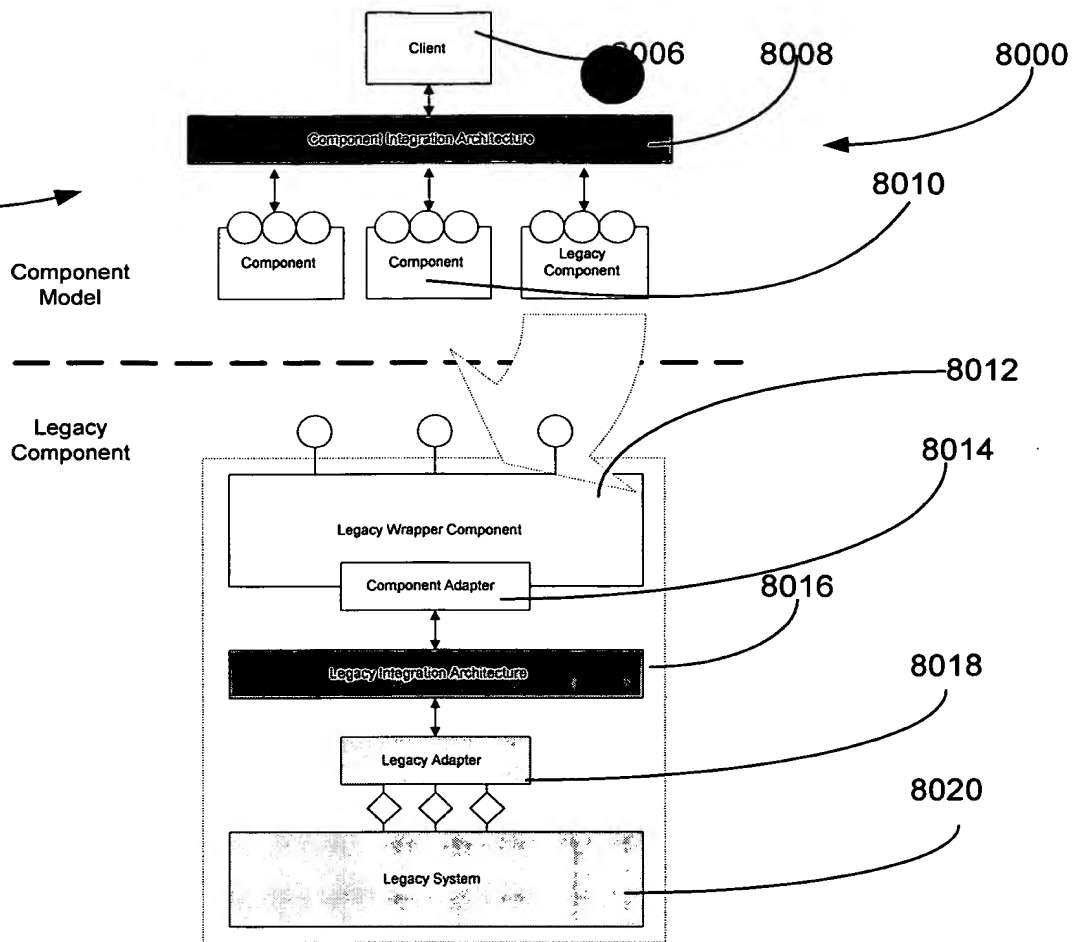
**Figure 77**



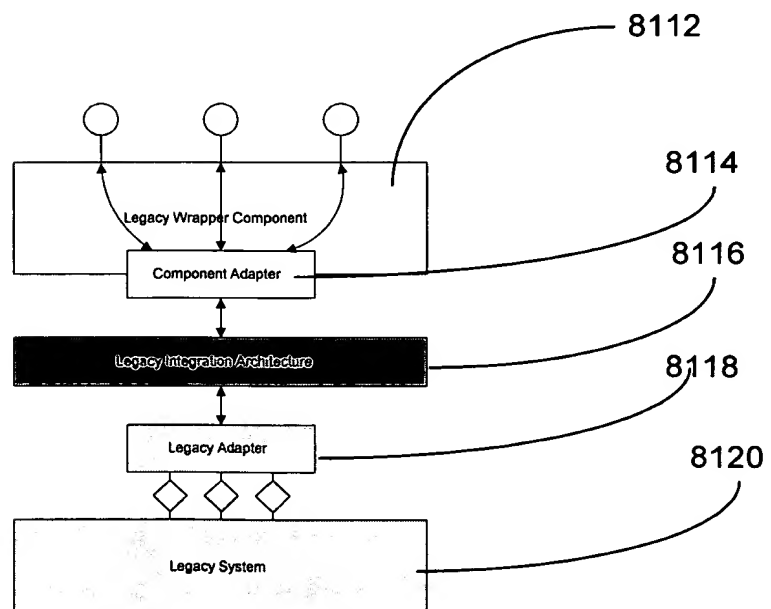
**Figure 78**



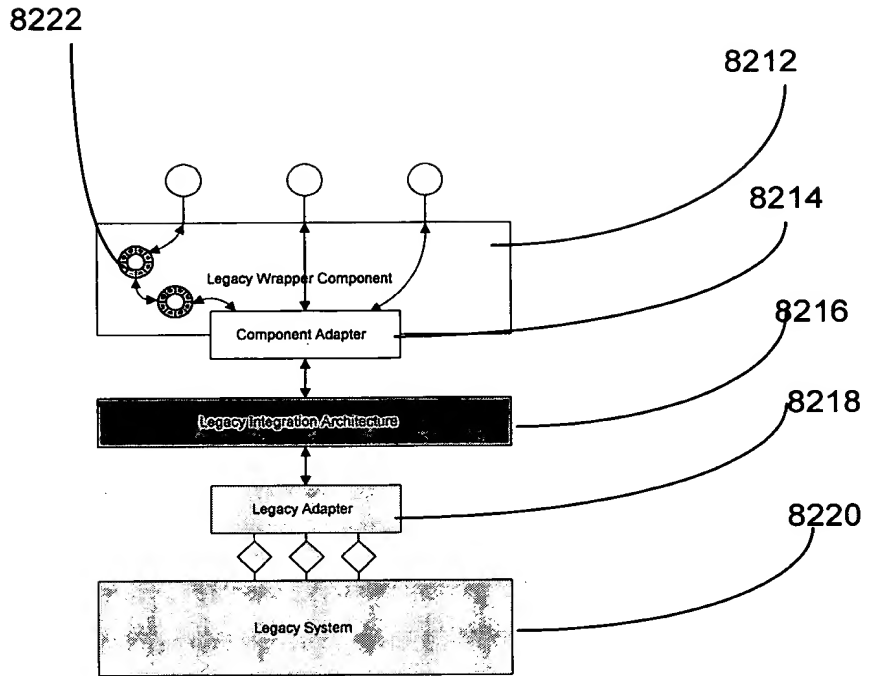
**Figure 79**



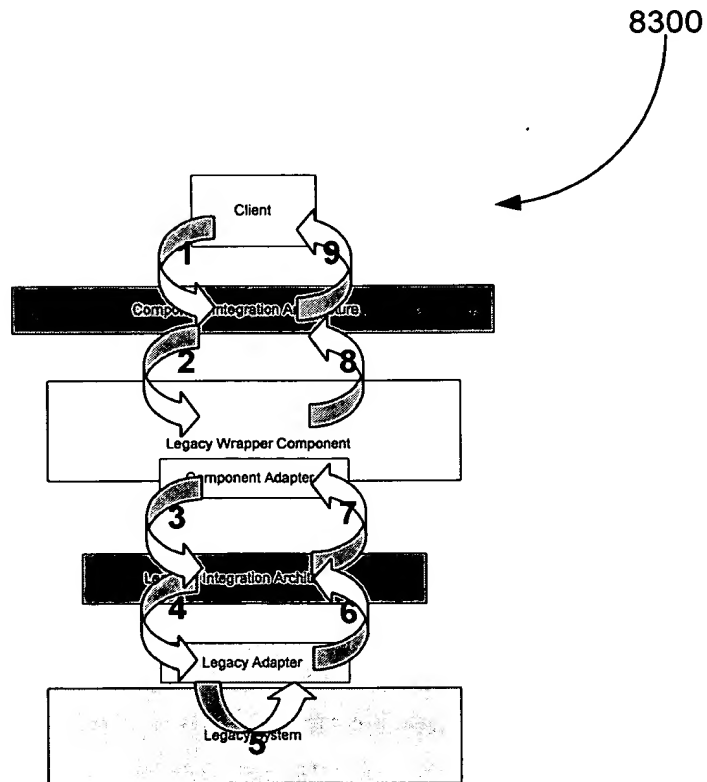
**Figure 80**



**Figure 81**

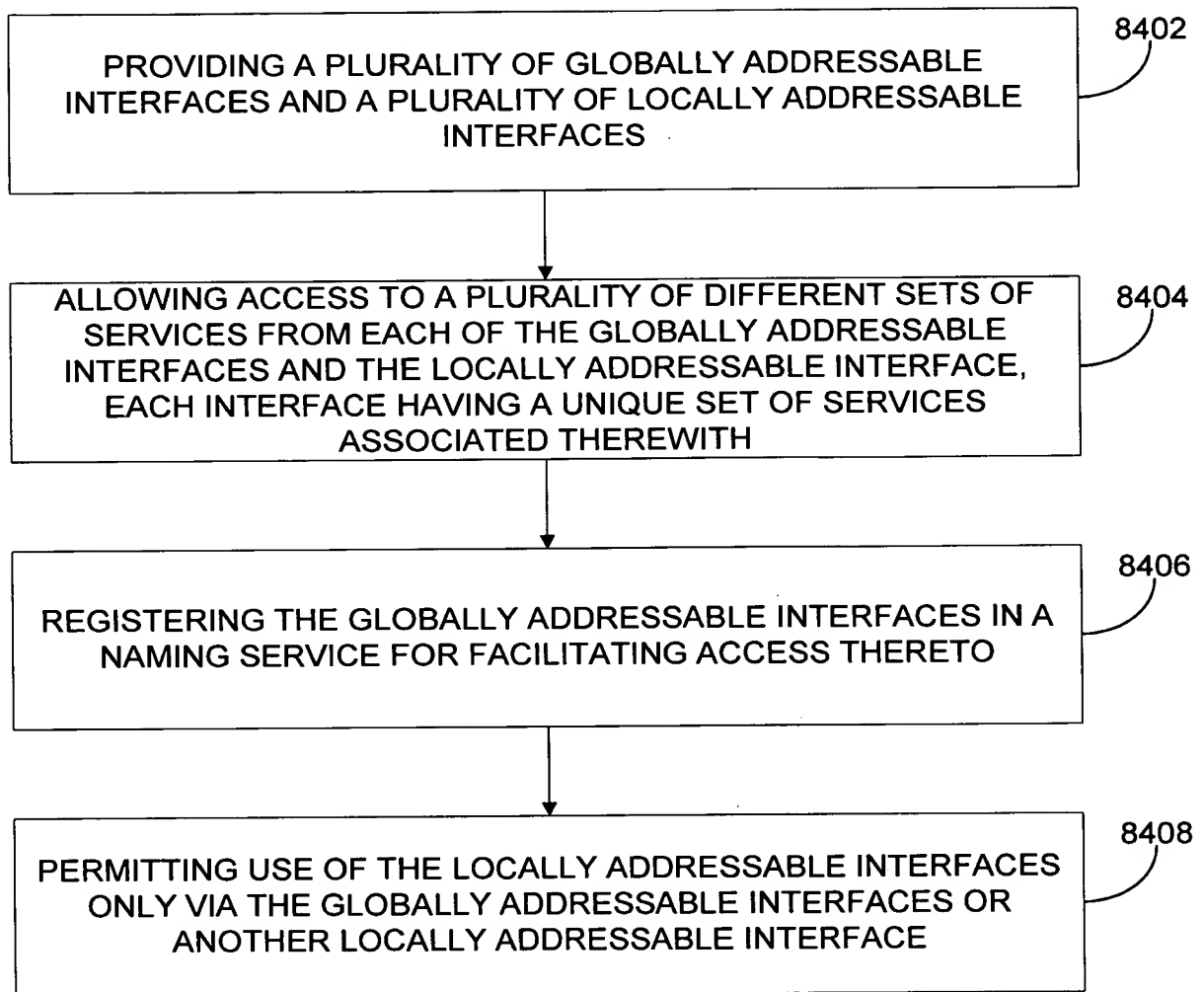


**Figure 82**



**Figure 83**

8400

**Figure 84**





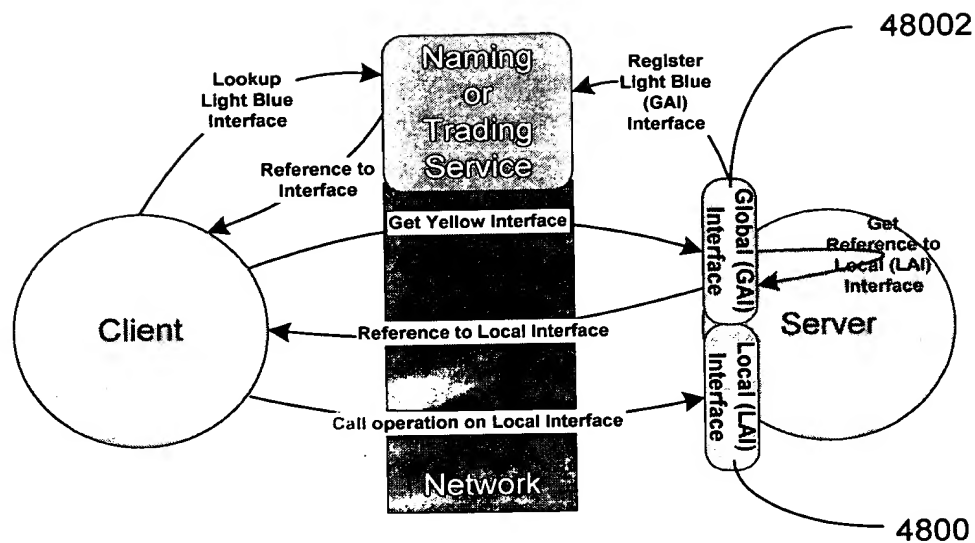


Figure 87

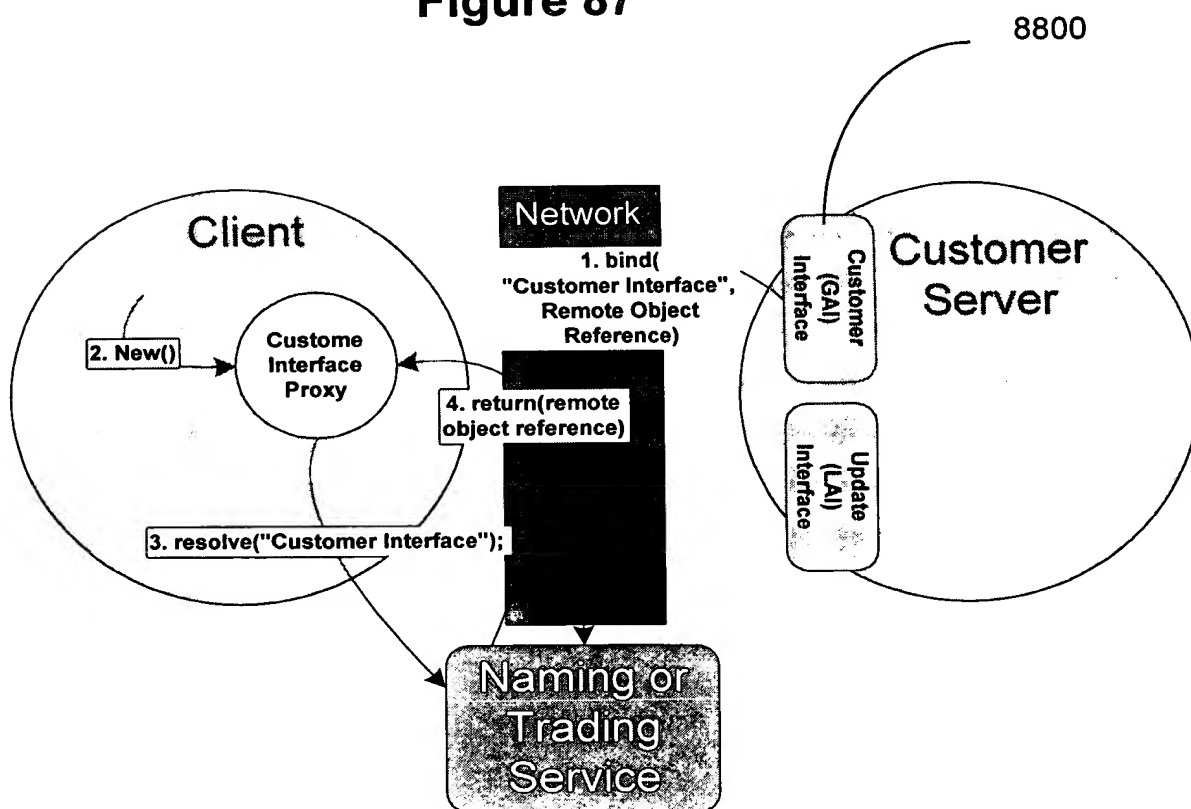


Figure 88

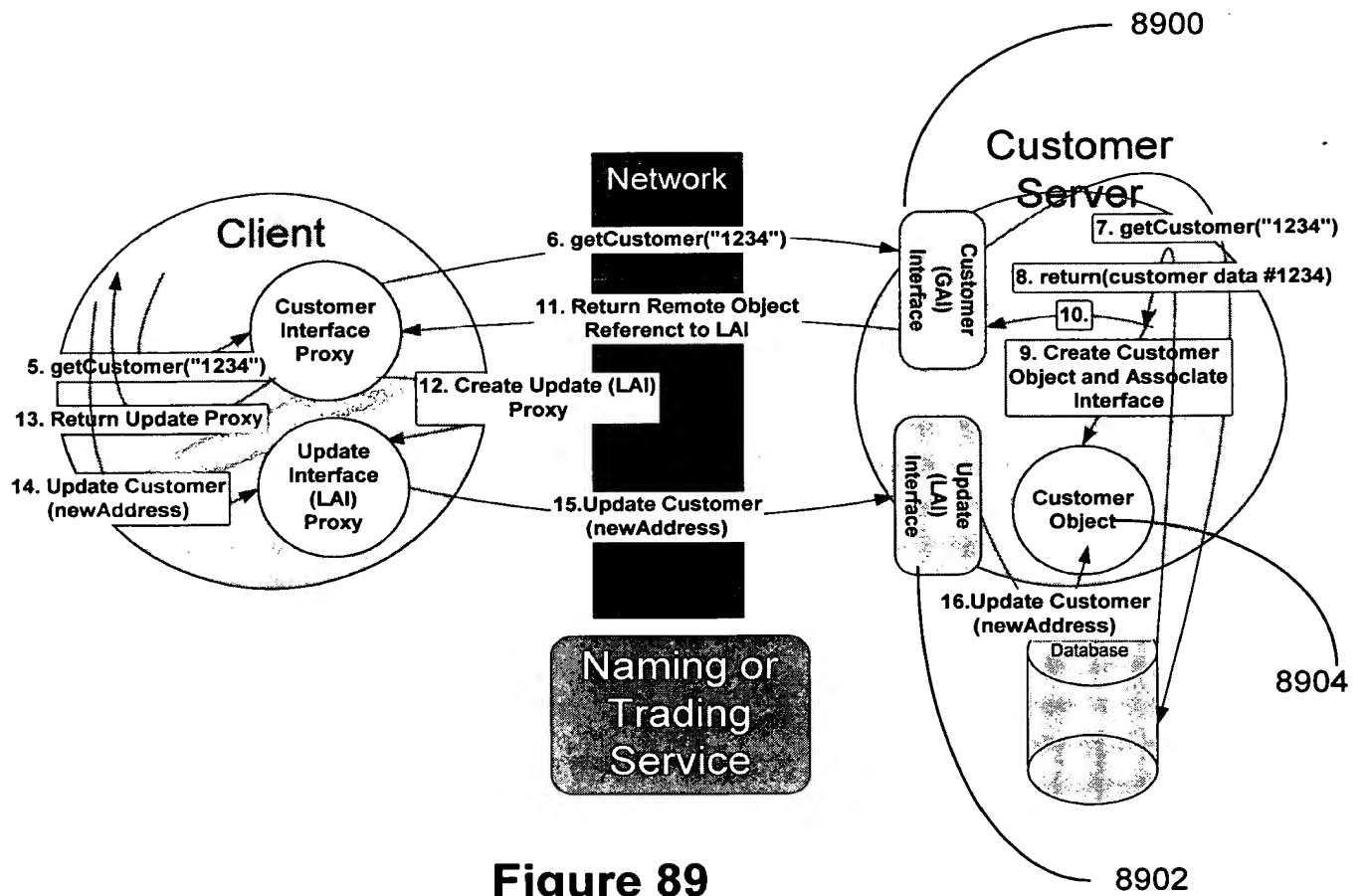


Figure 89

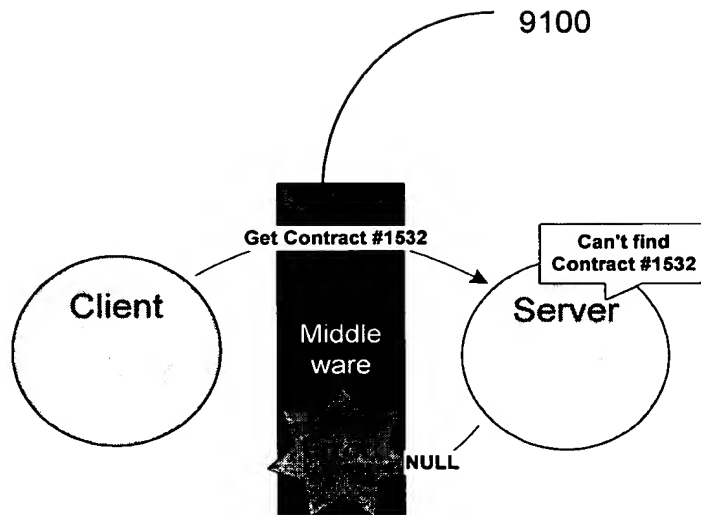
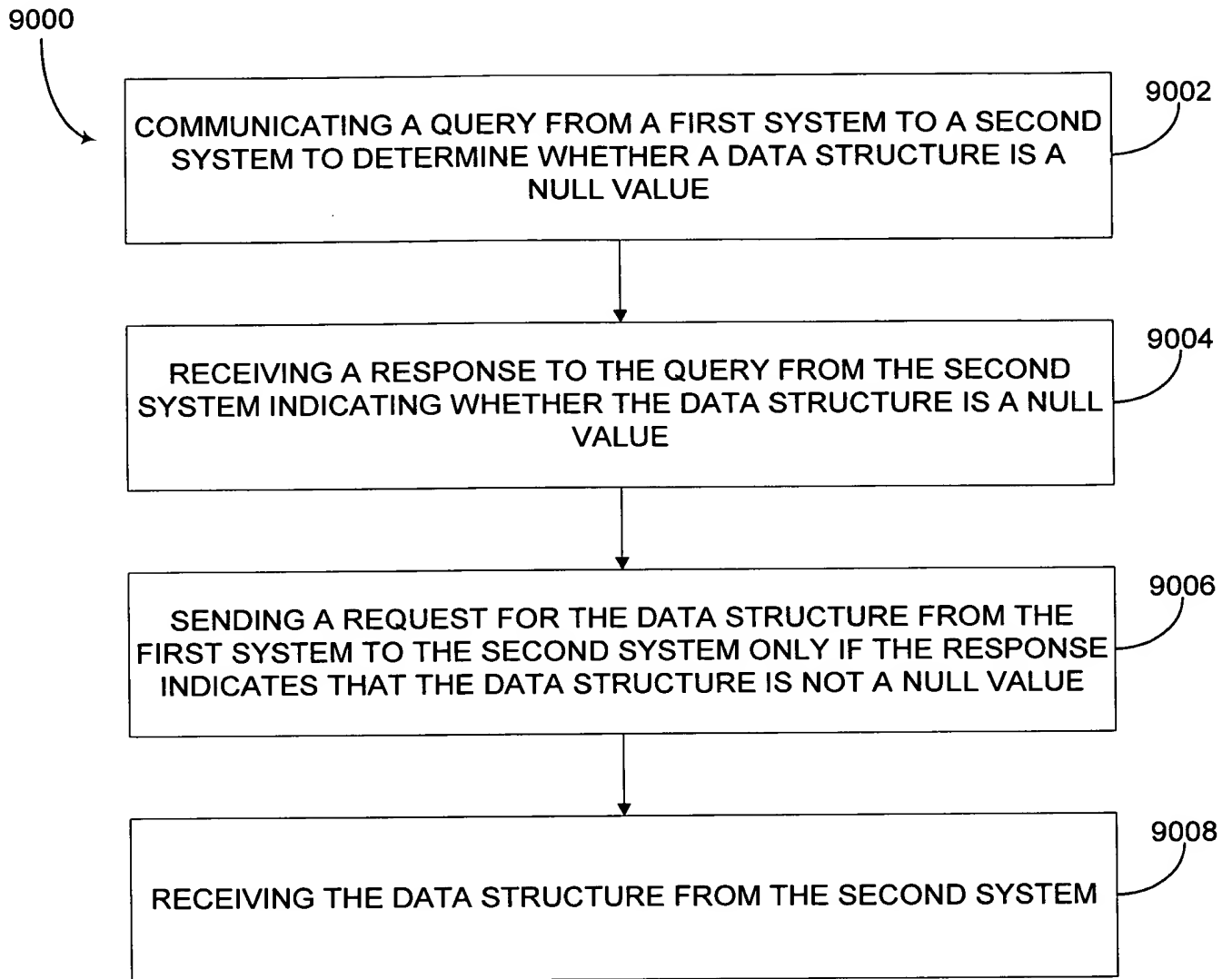


Figure 91



**Figure 90**

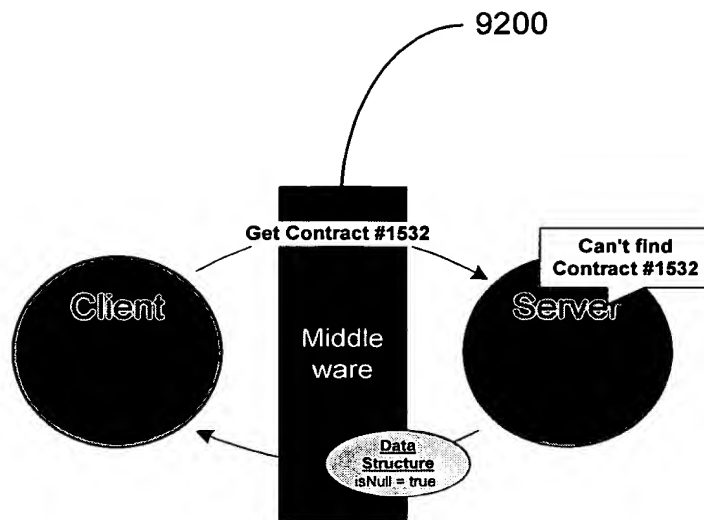


Figure 92

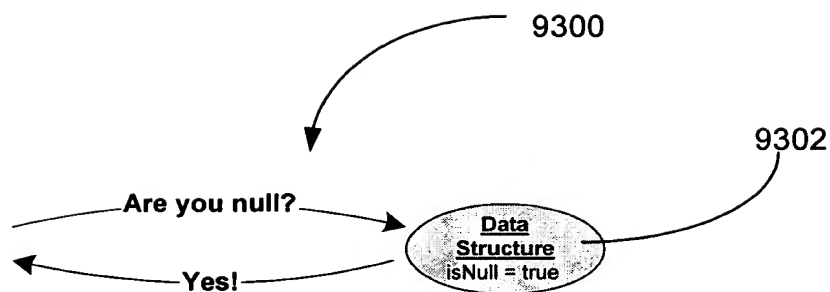


Figure 93

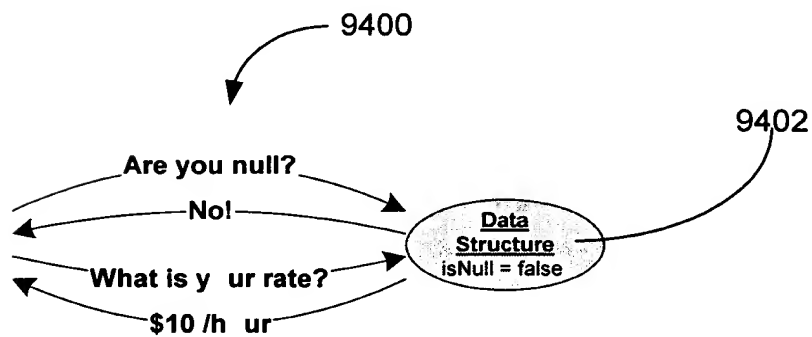
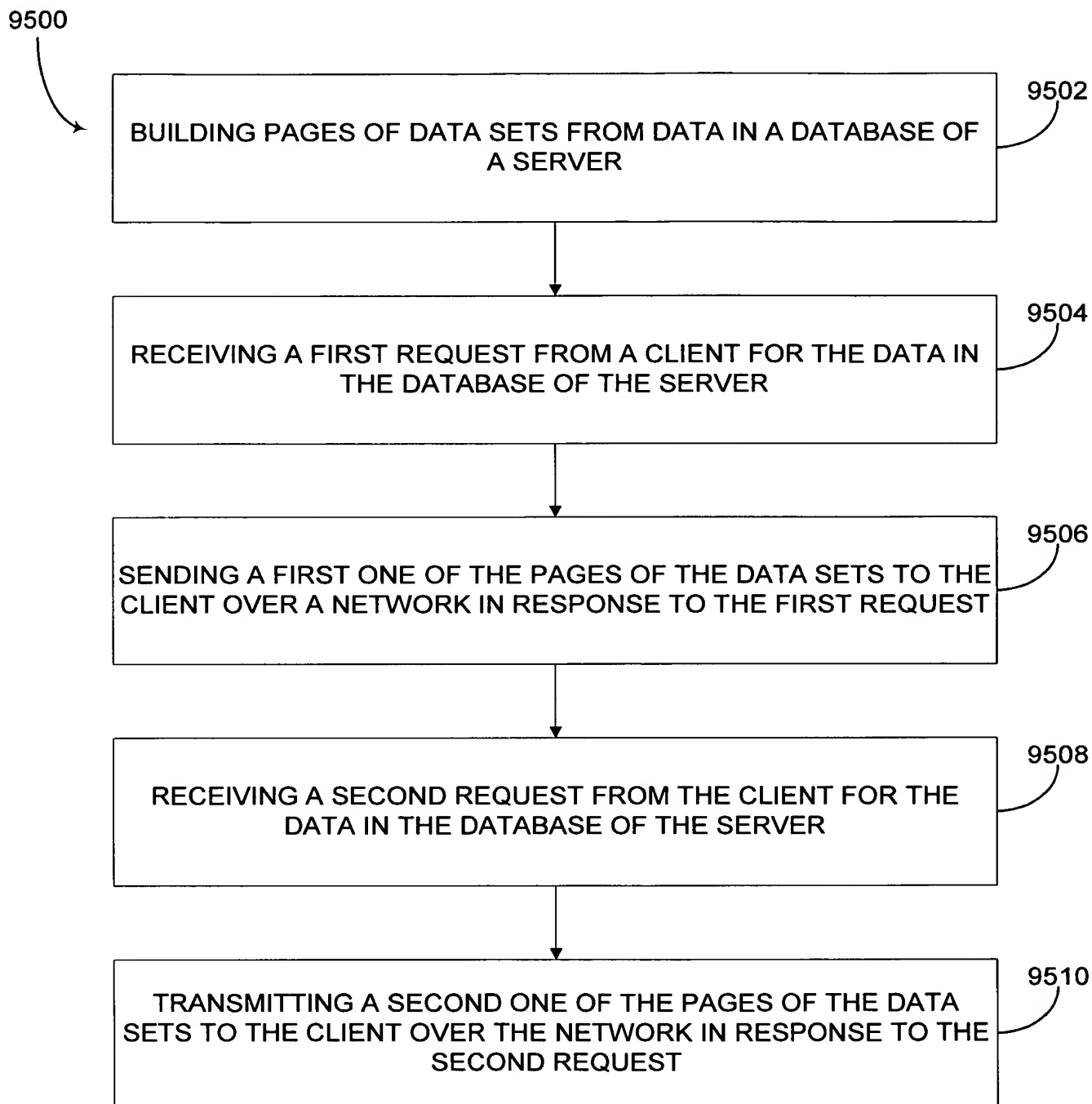


Figure 94



**Figure 95**

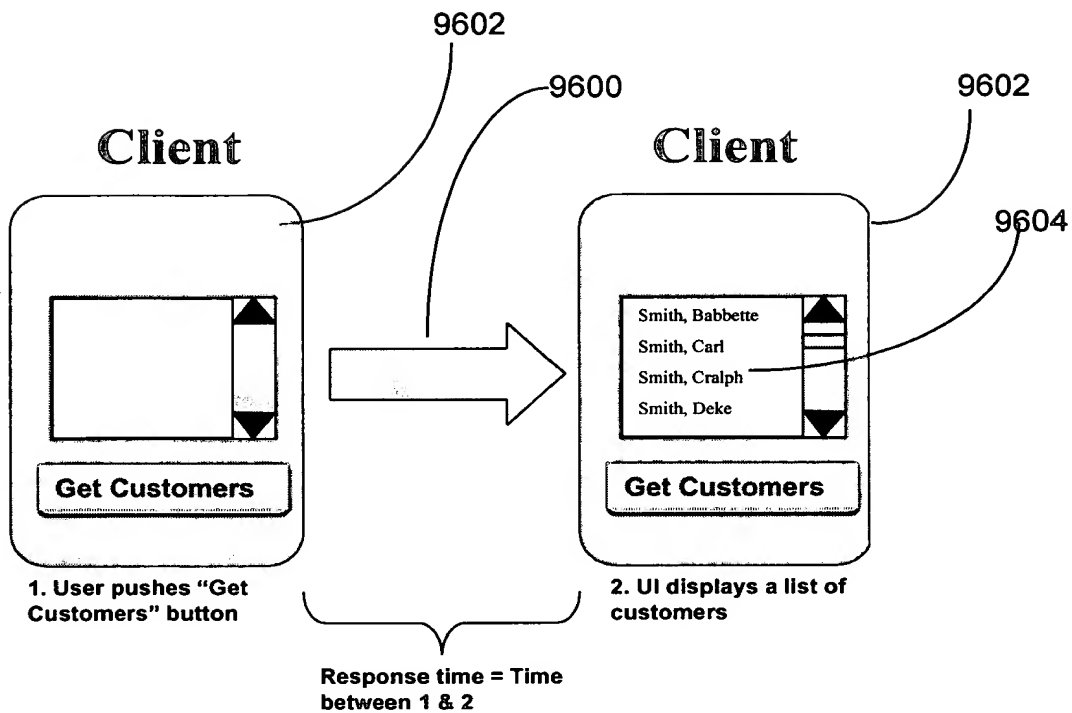


Figure 96

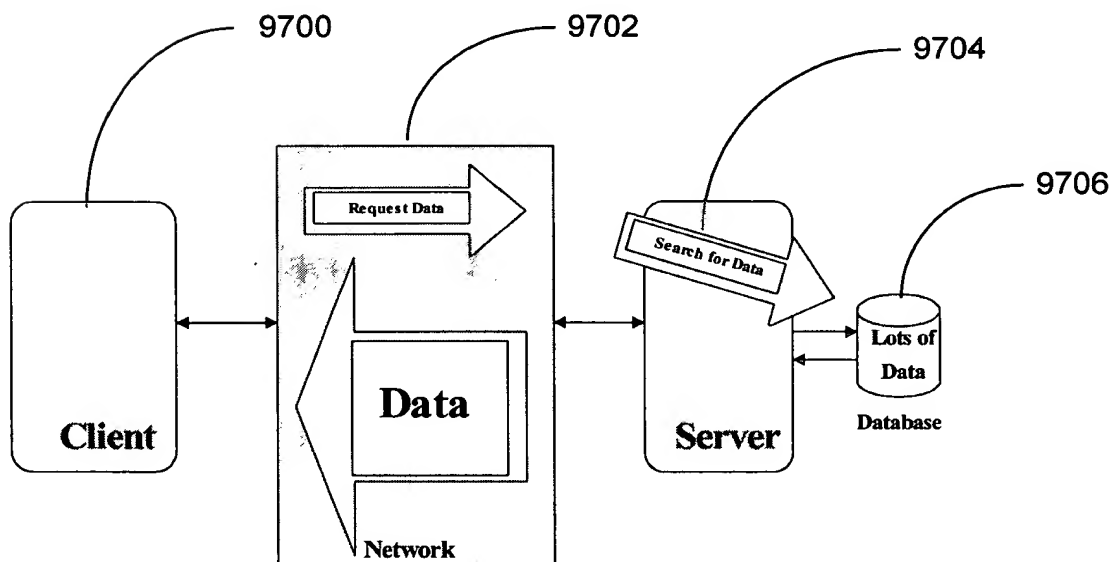
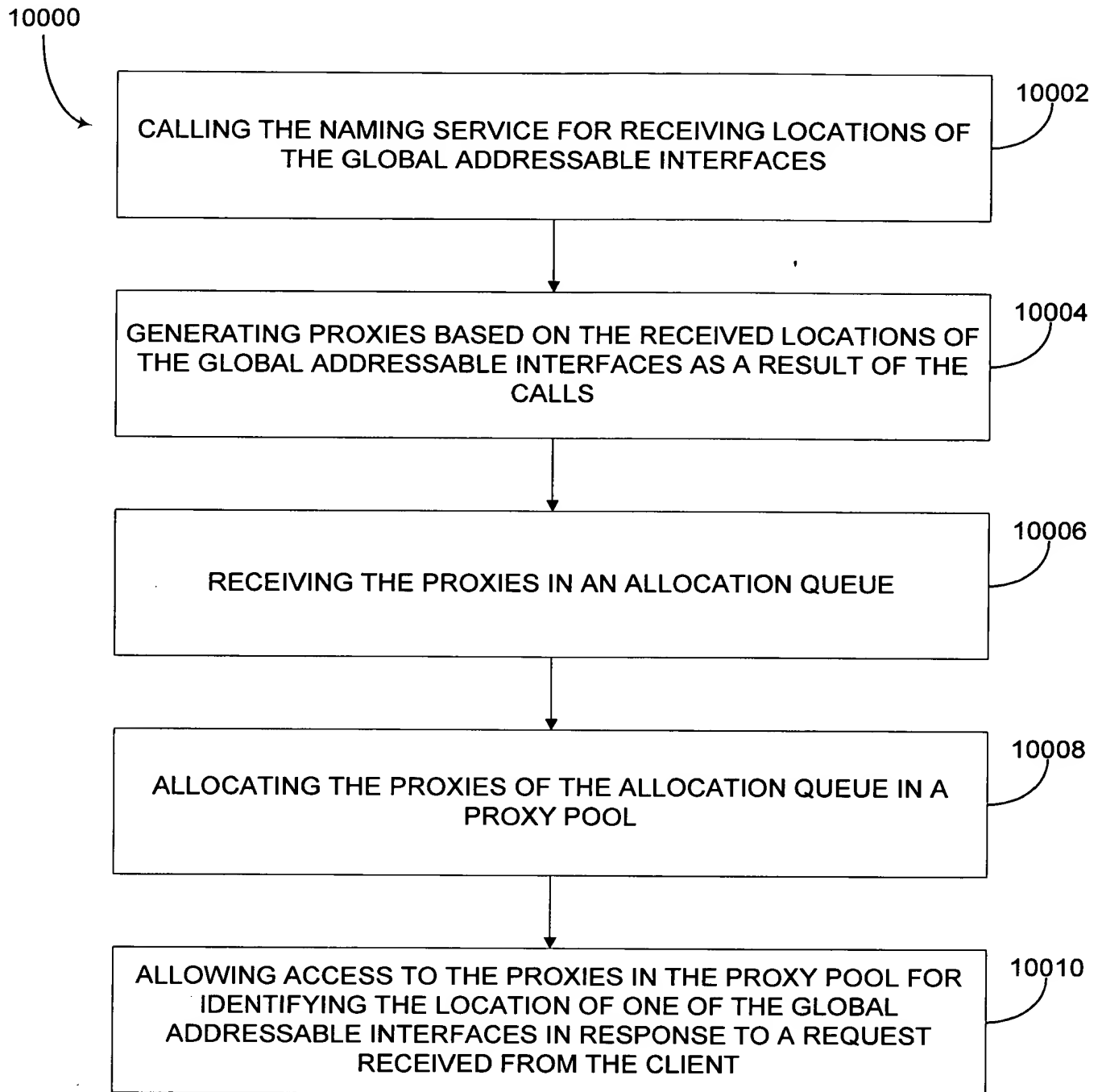


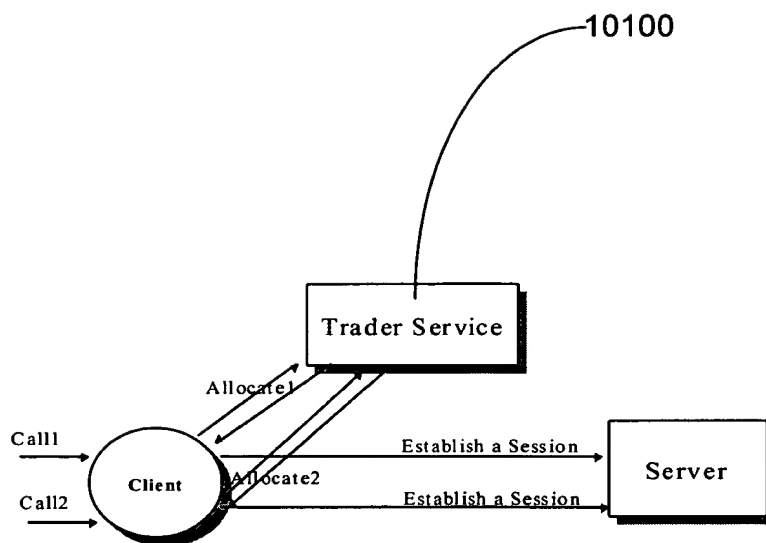
Figure 97



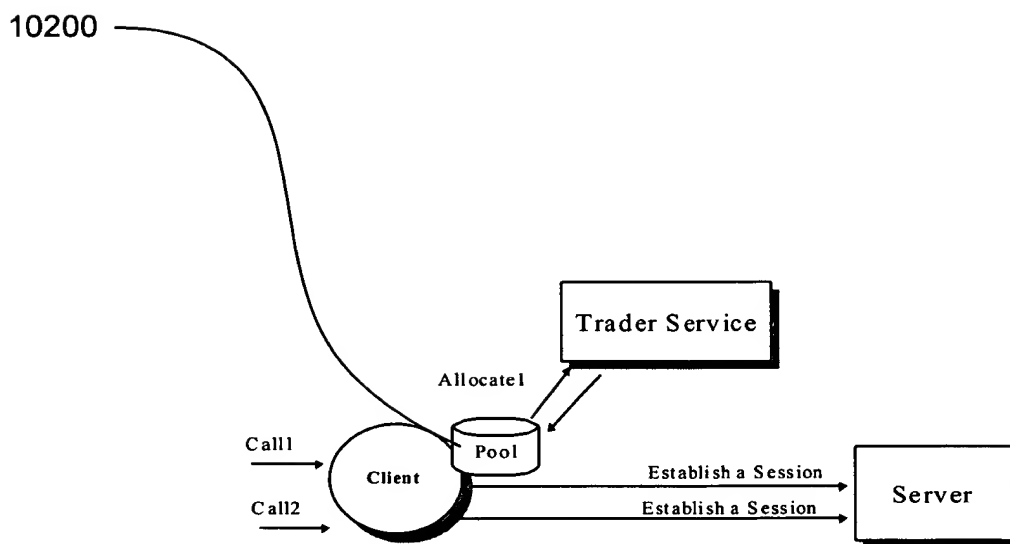




**Figure 100**



**Figure 101**



**Figure 102**

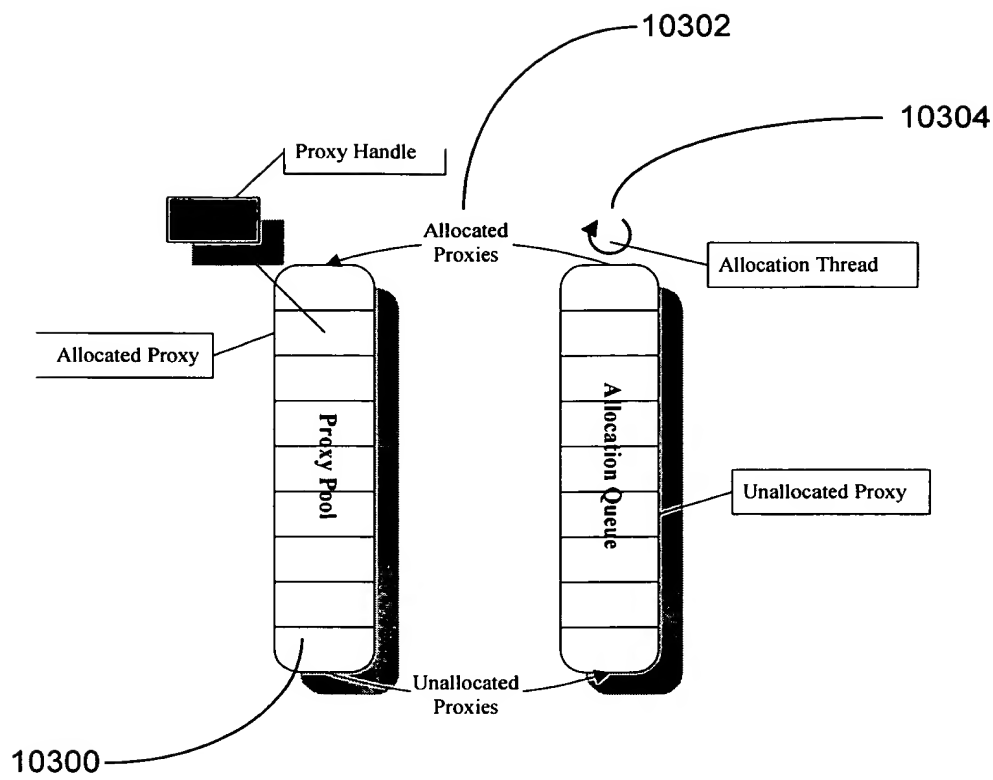


Figure 103

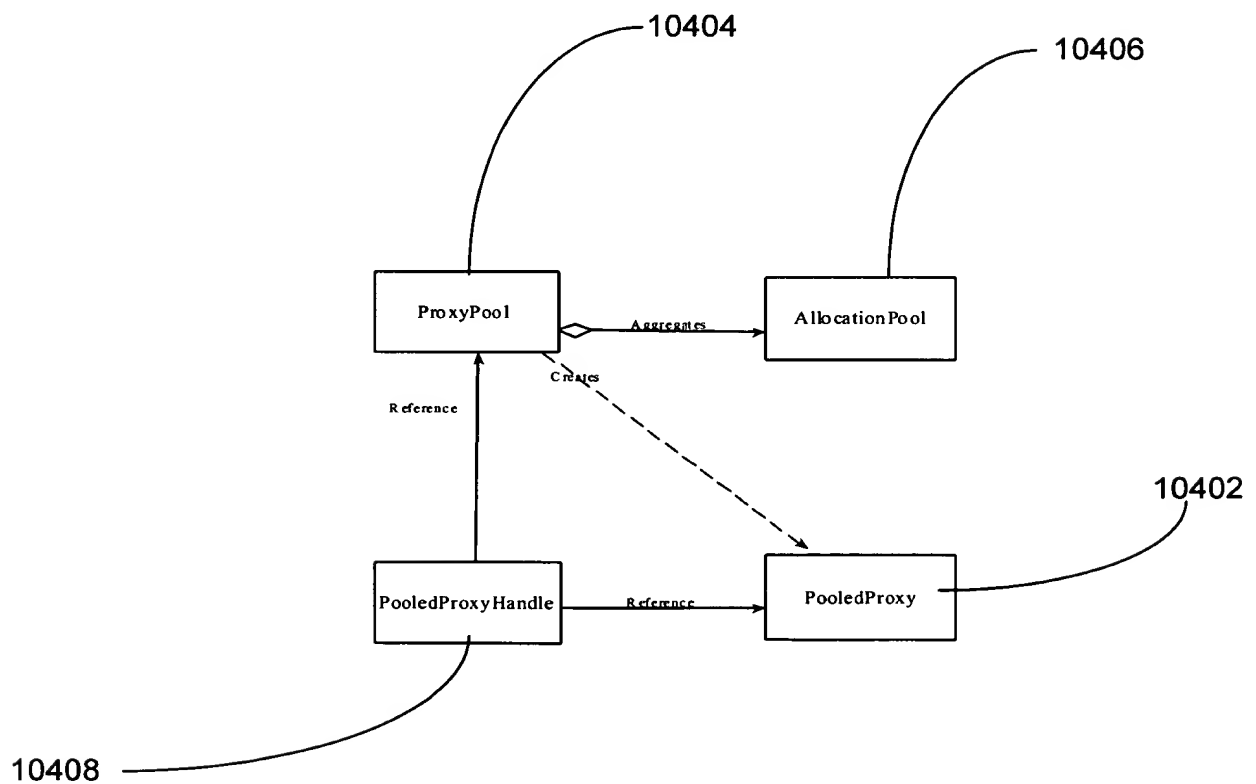
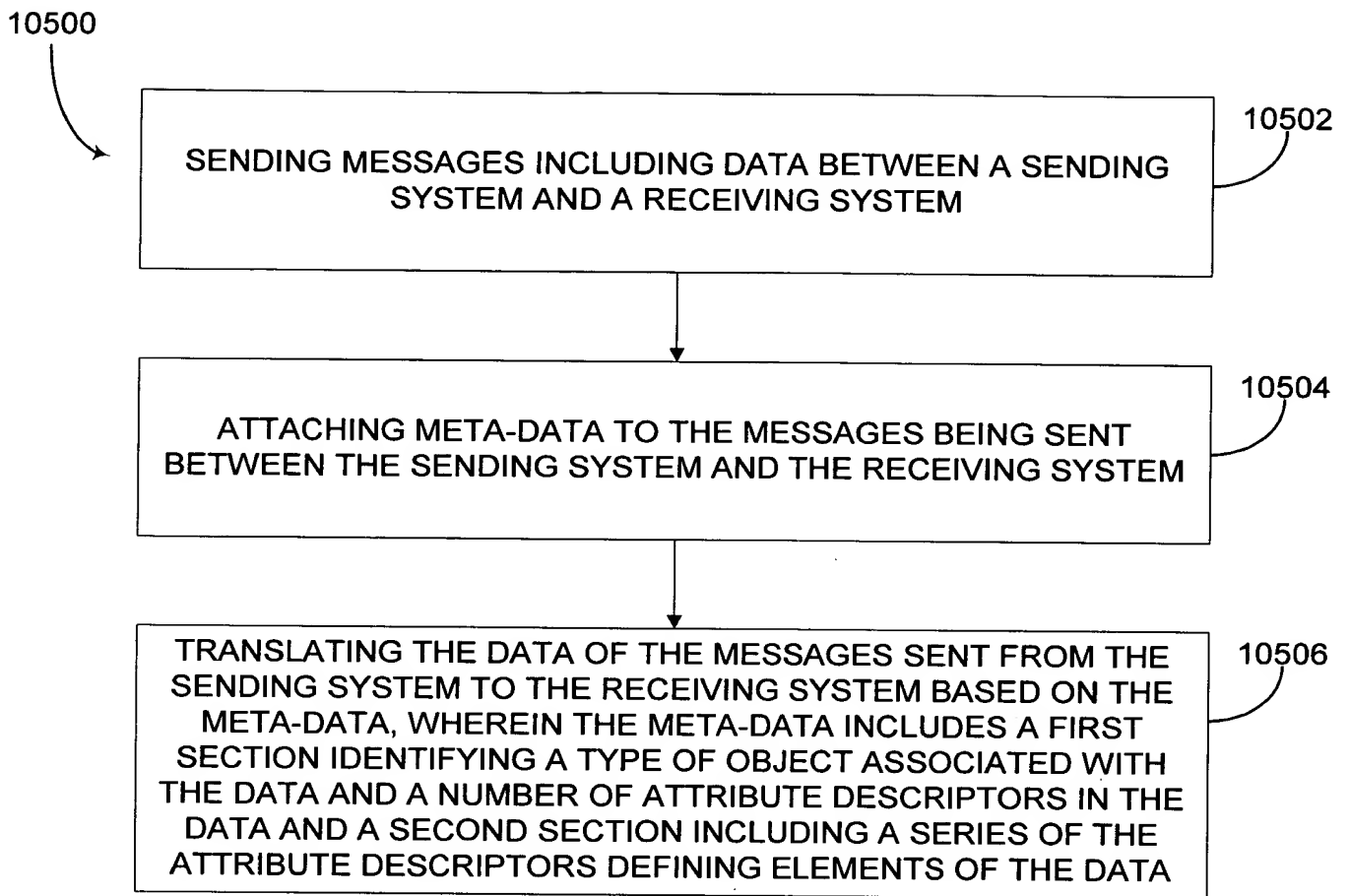


Figure 104



**Figure 105**

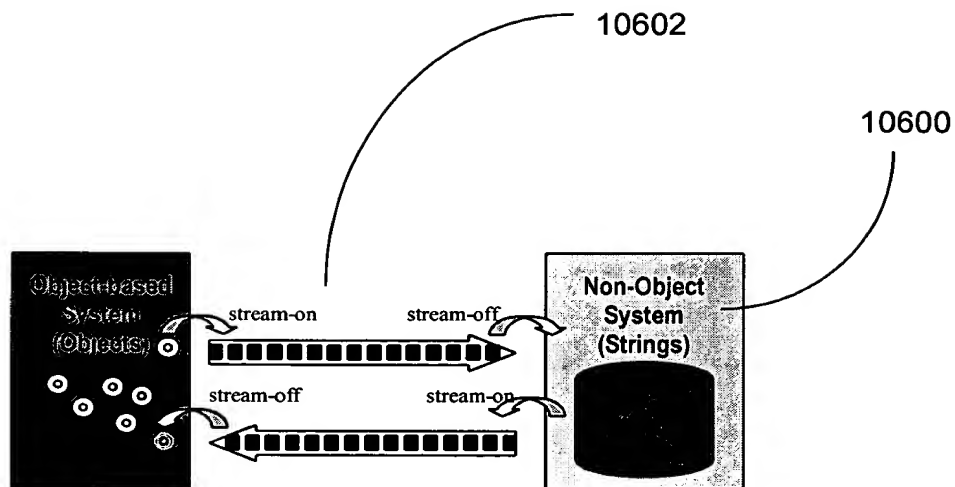


Figure 106

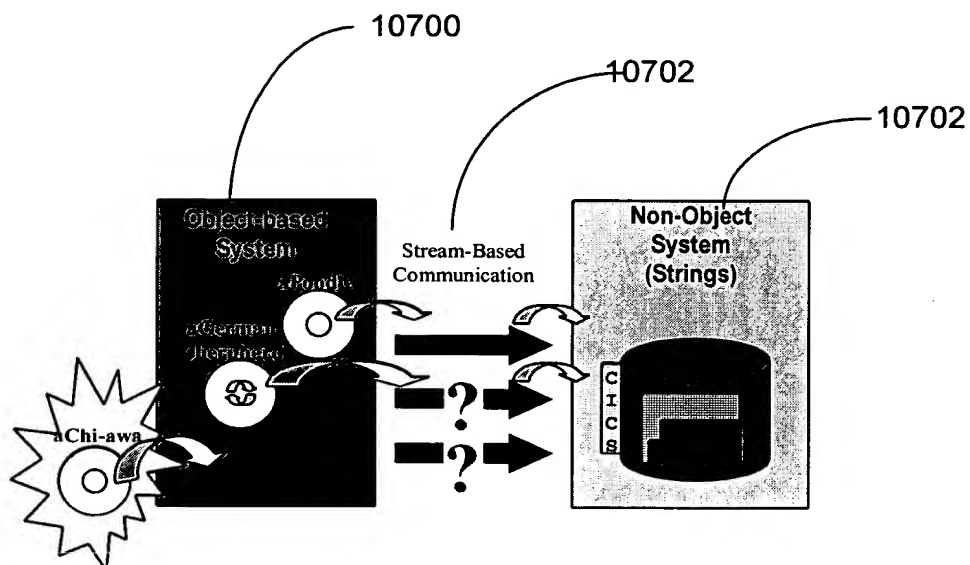


Figure 107

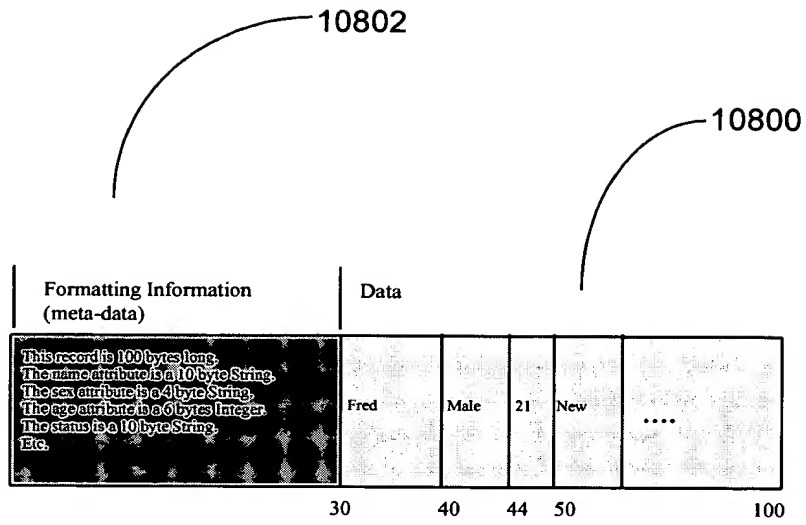


Figure 108

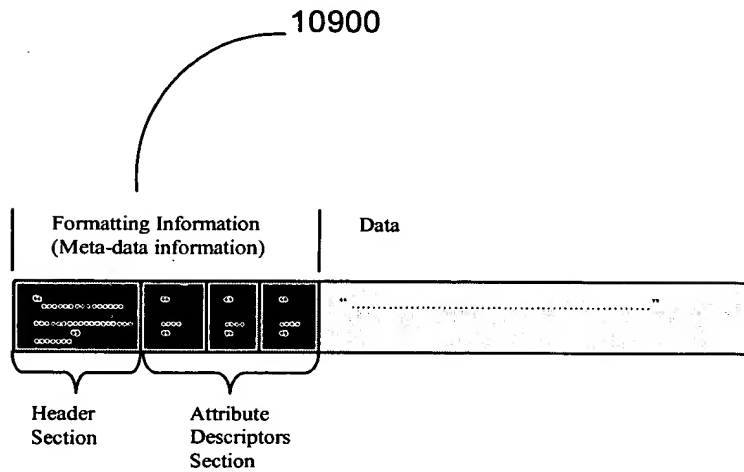


Figure 109

66T230"1594320

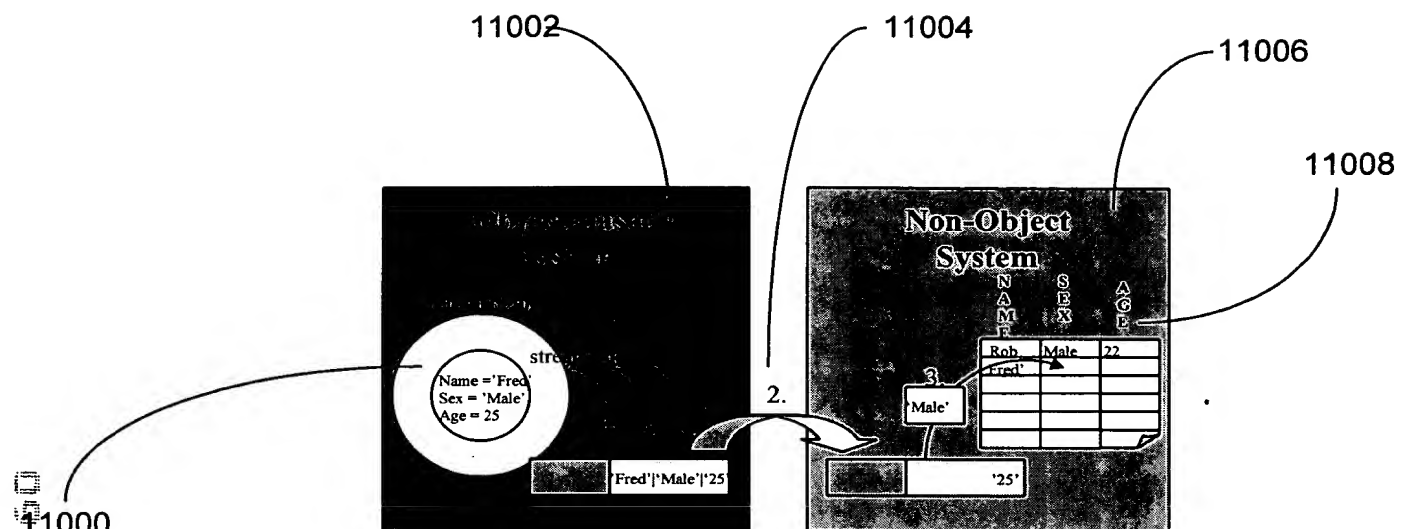


Figure 110

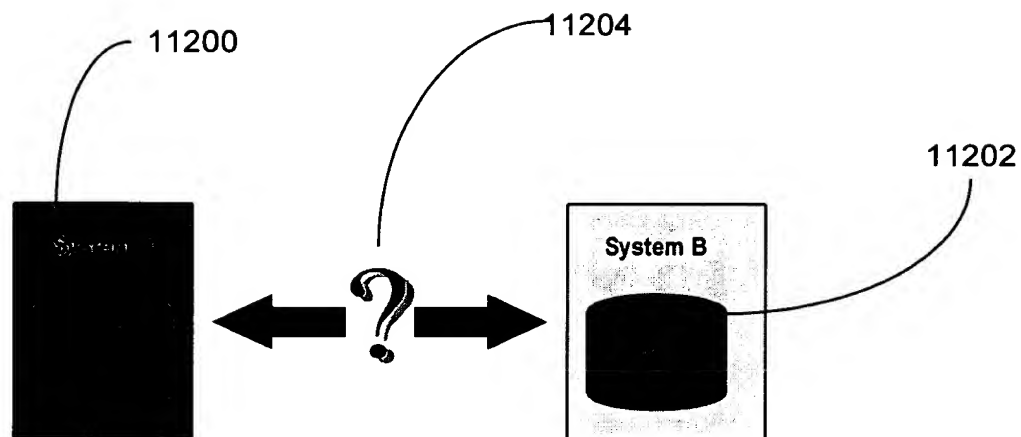
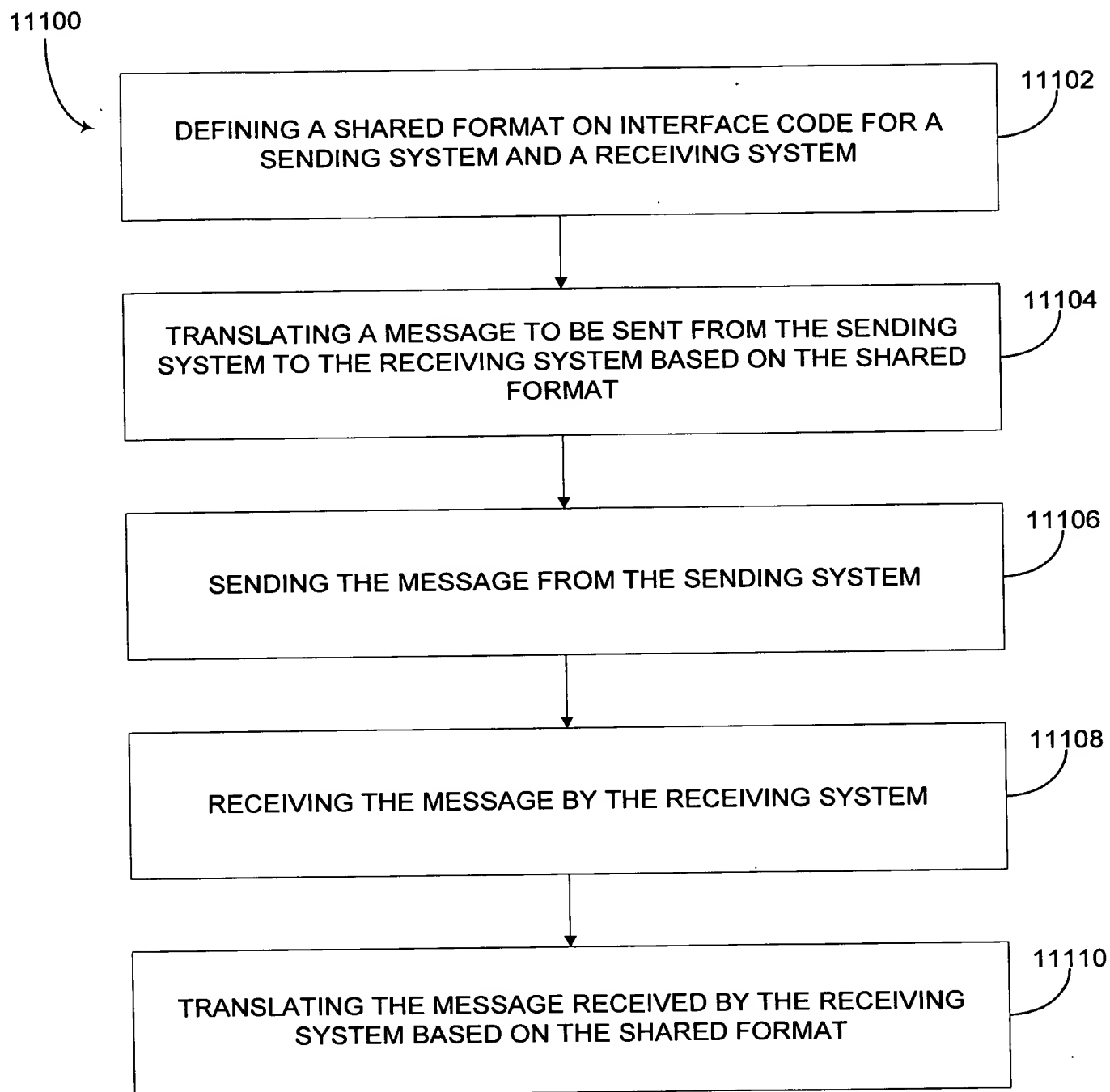


Figure 112



**Figure 111**



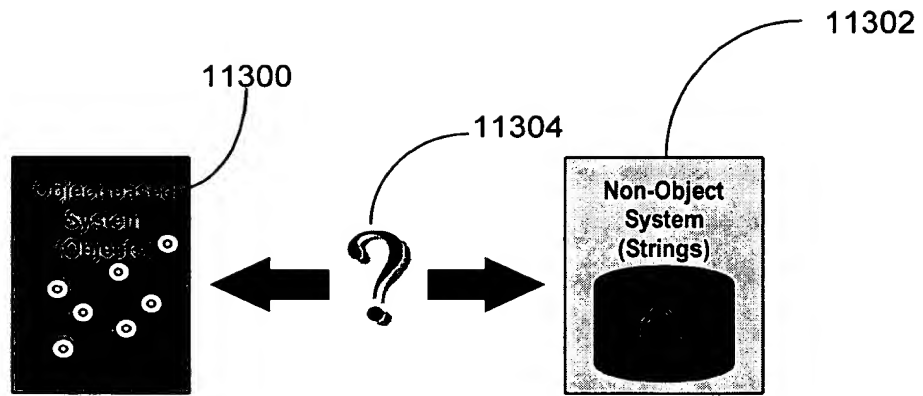


Figure 113

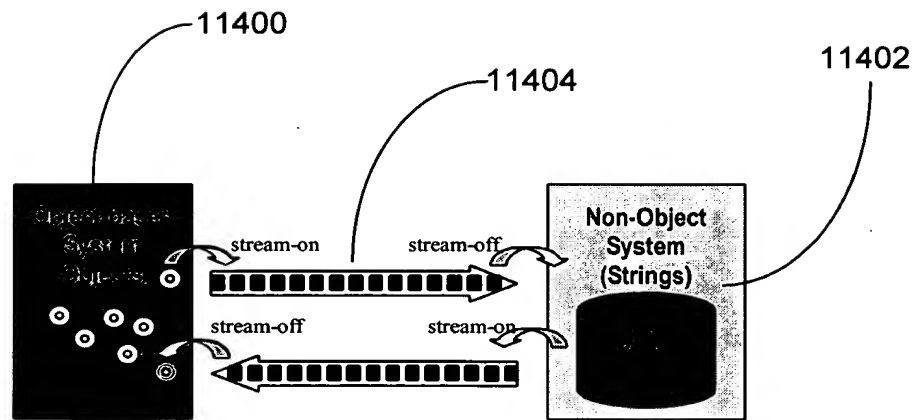


Figure 114

667680"49948660

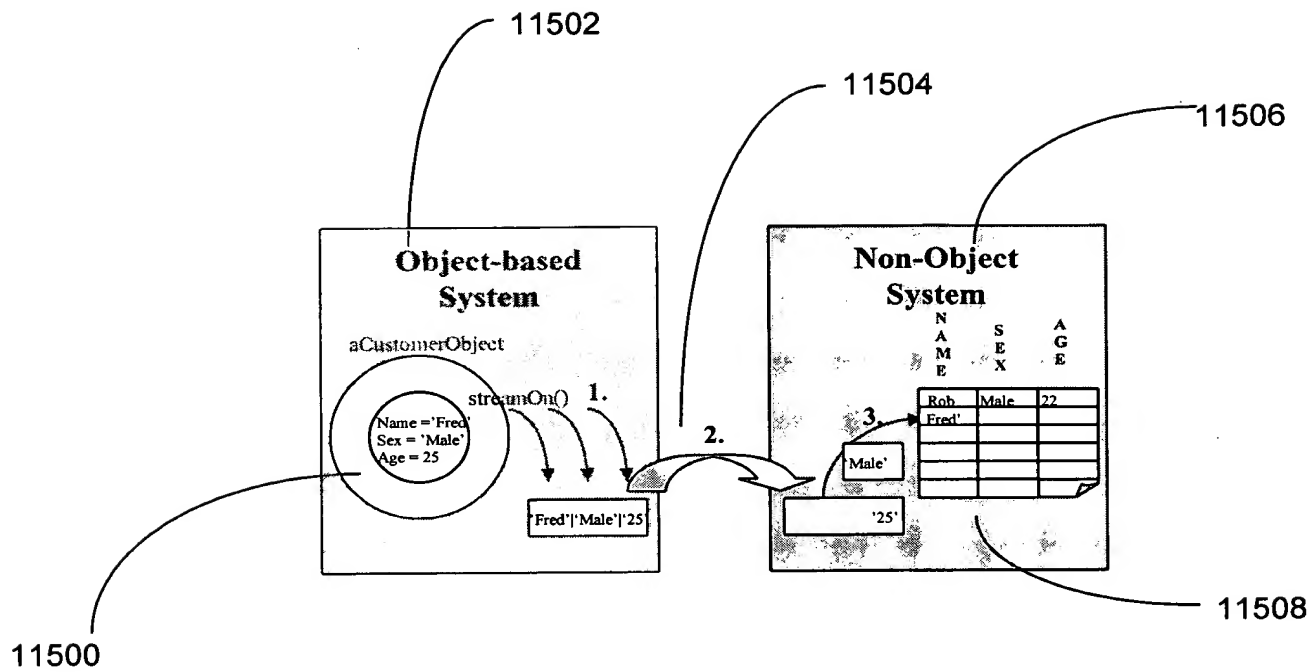


Figure 115

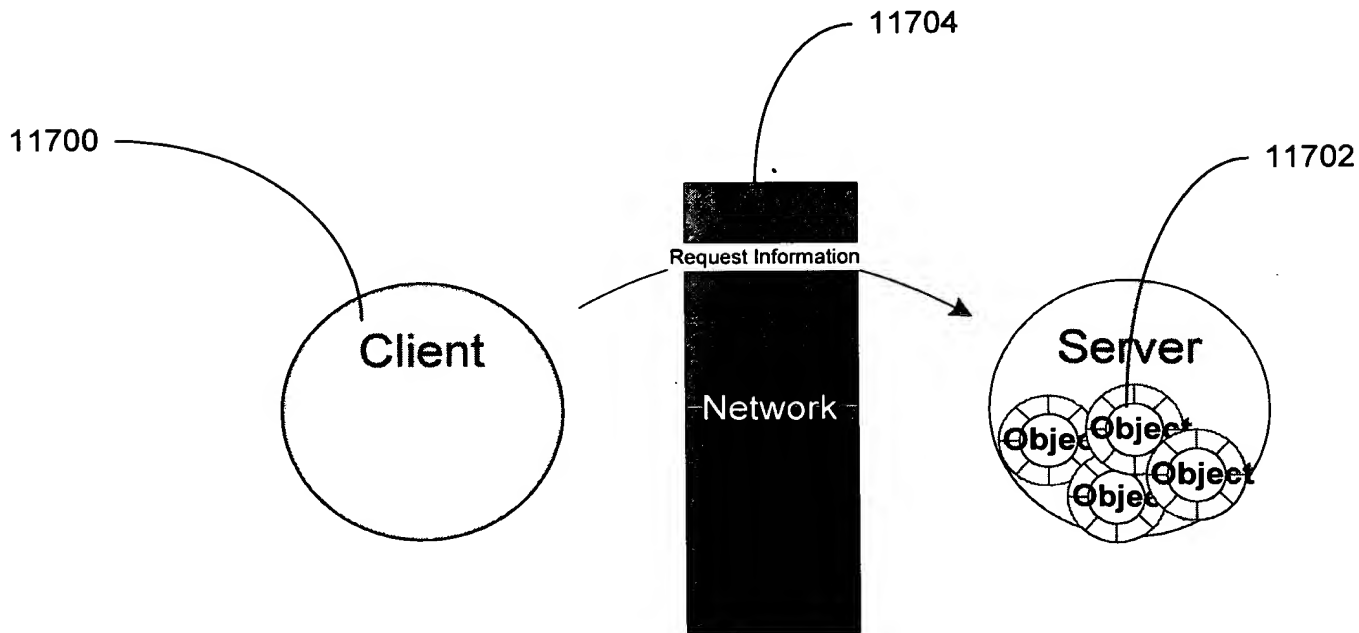
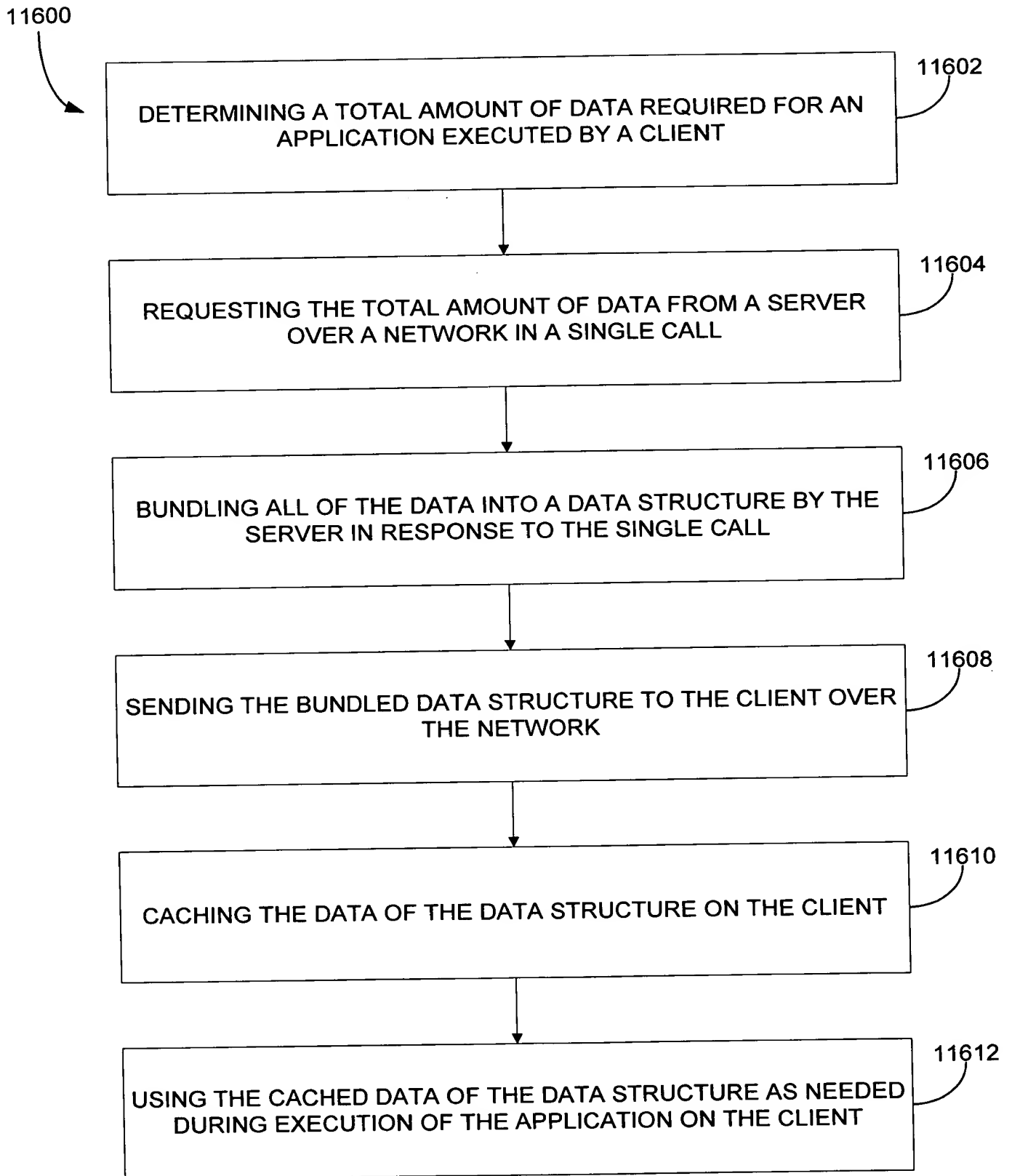


Figure 117



**Figure 116**





607230:4594860

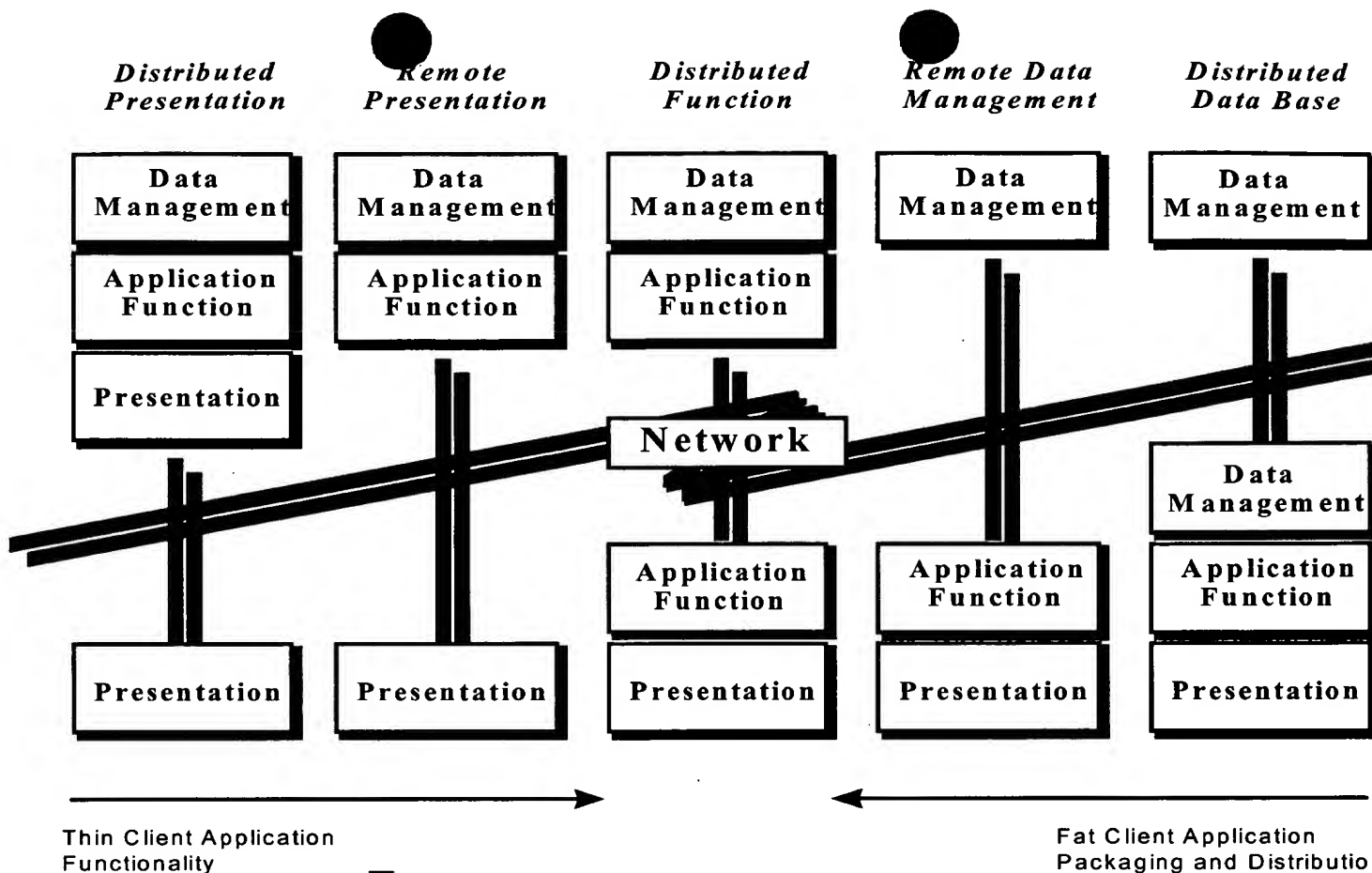


Figure 122

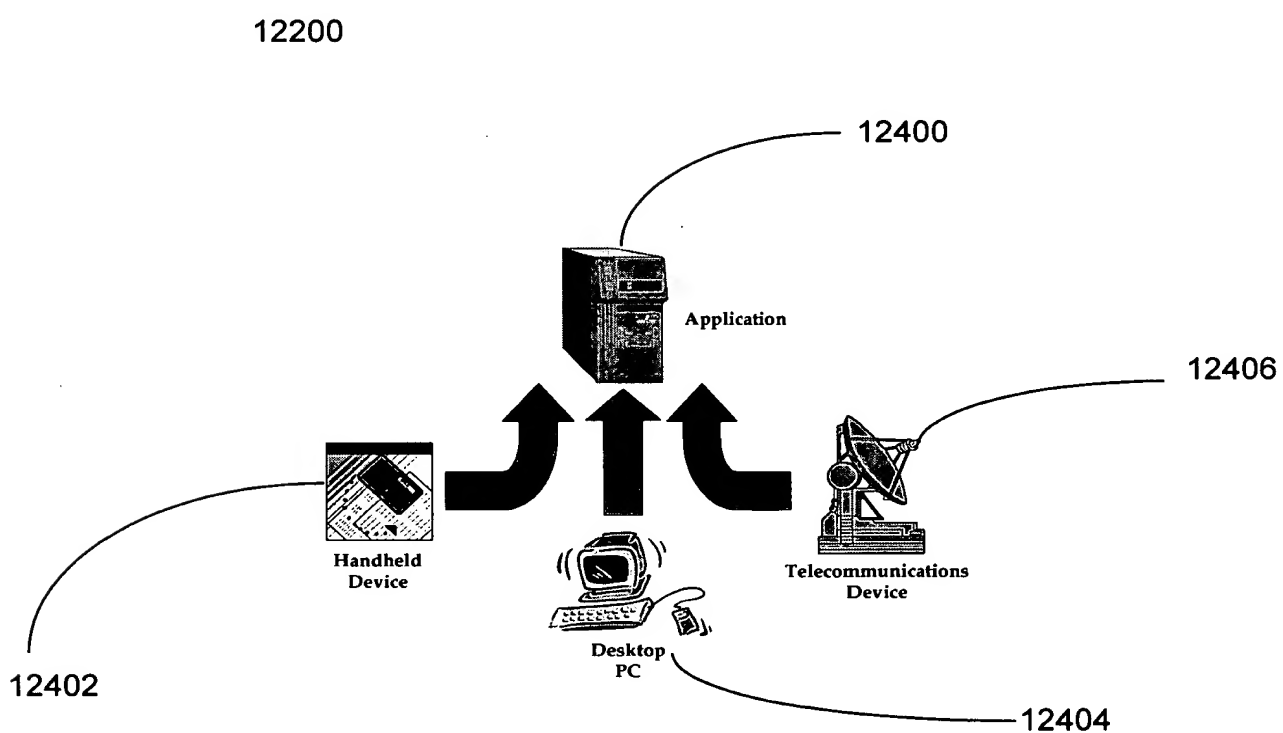
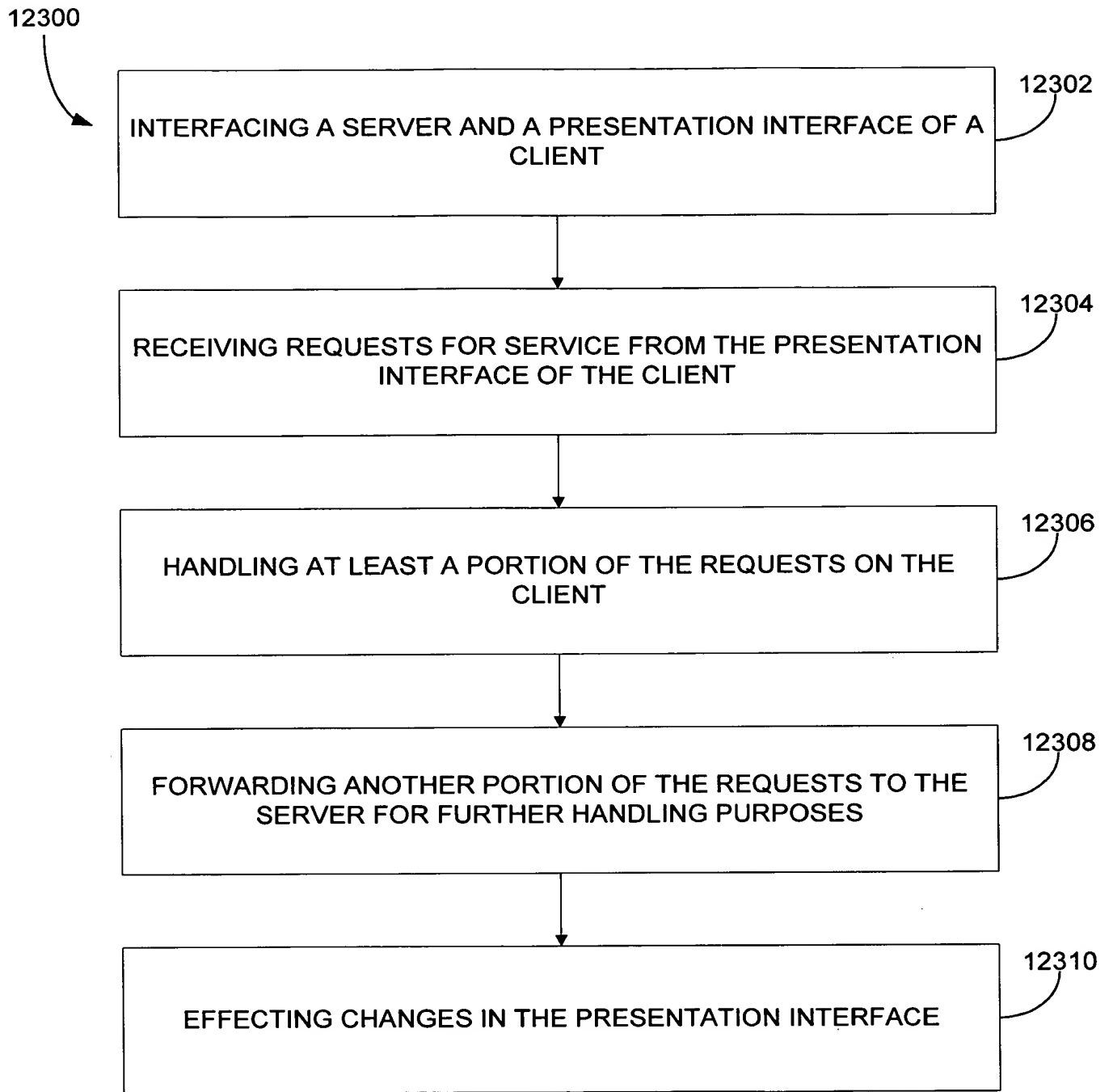


Figure 124



**Figure 123**

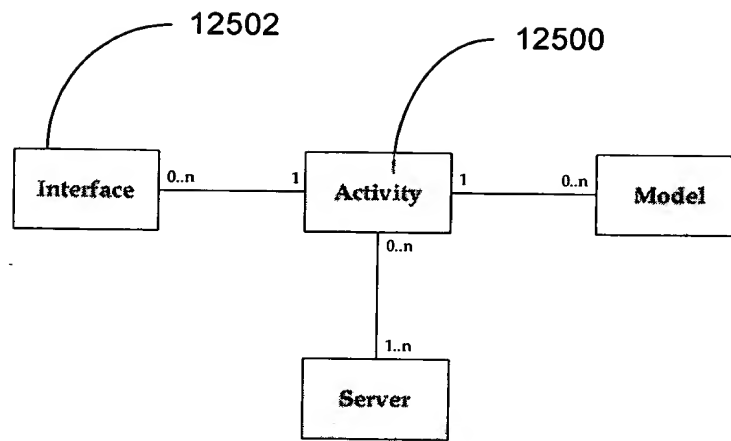


Figure 125

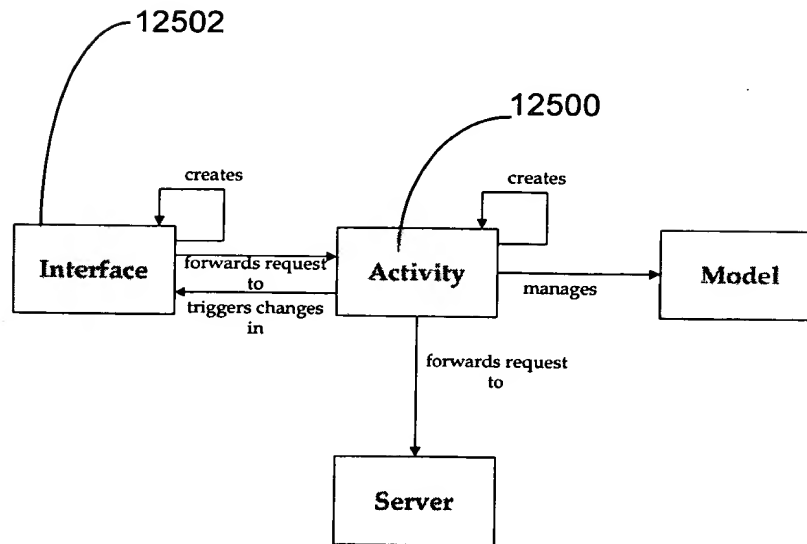
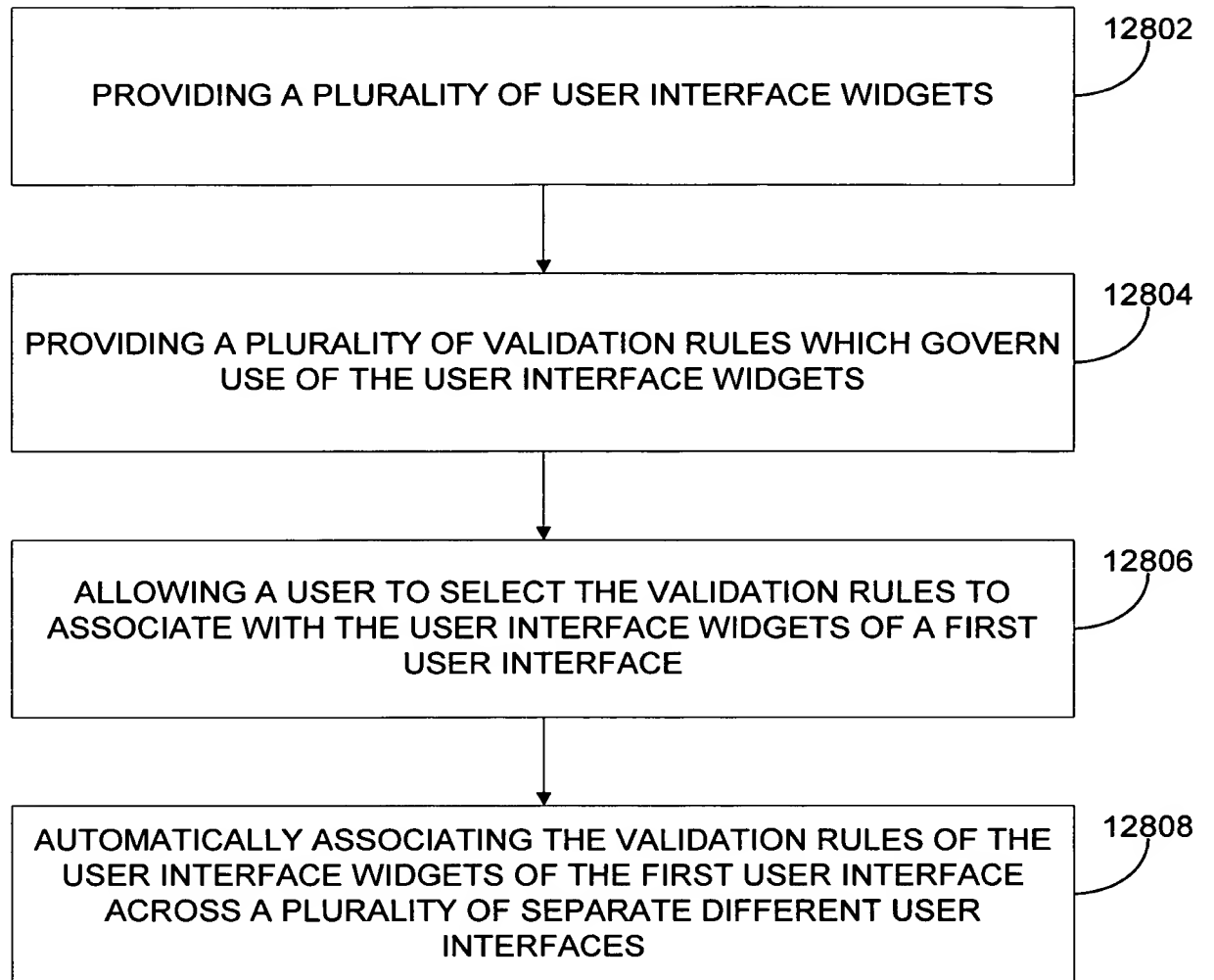


Figure 126





12800



**Figure 128**

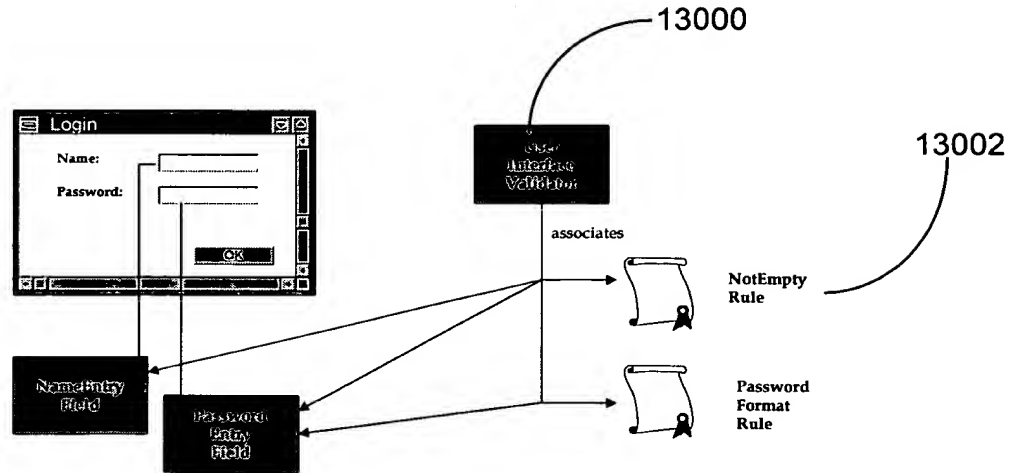


Figure 130

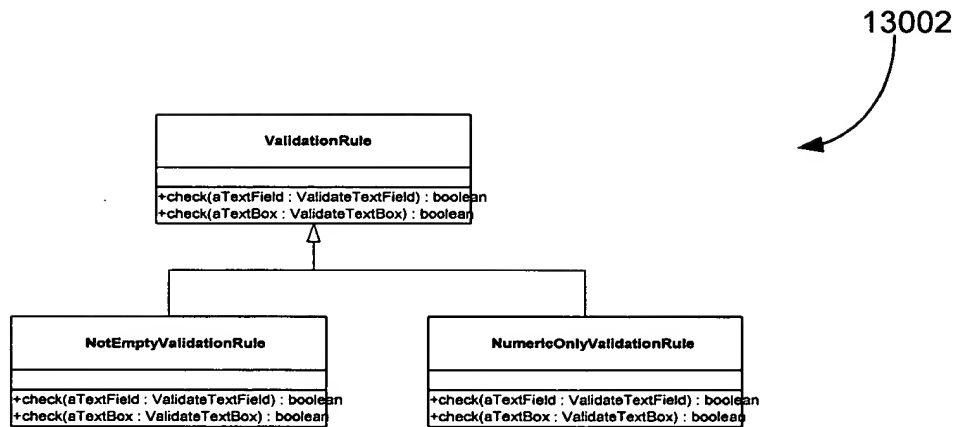
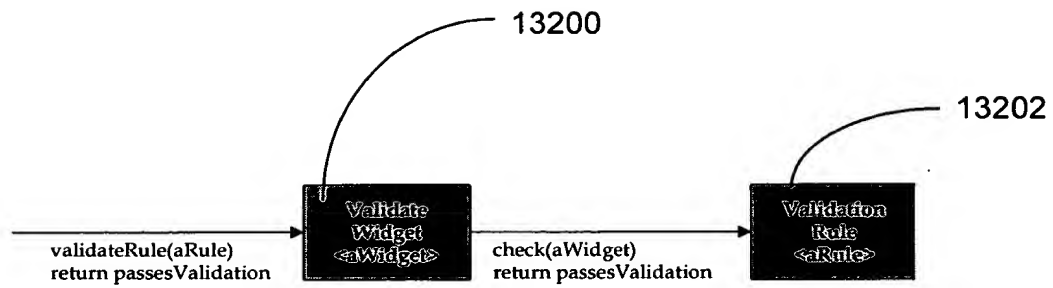
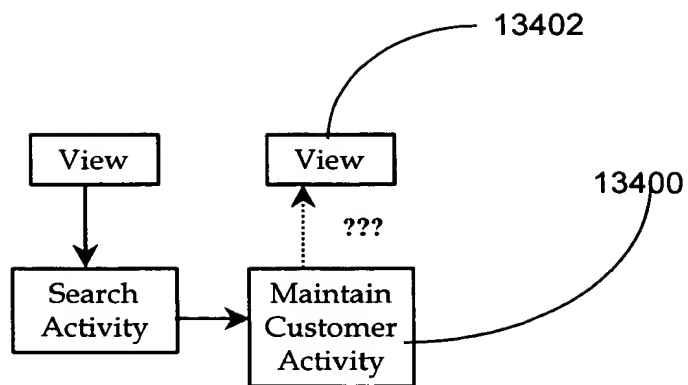


Figure 131

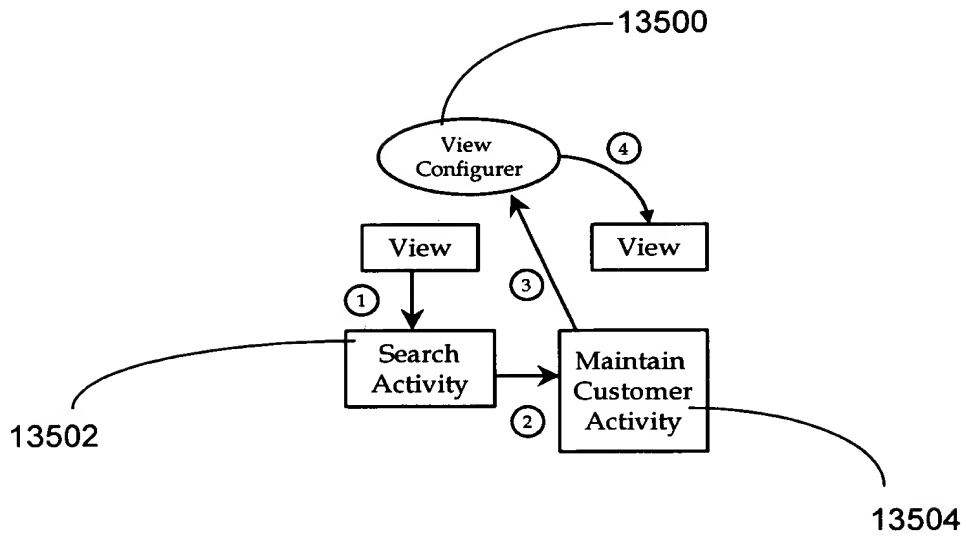


**Figure 132**

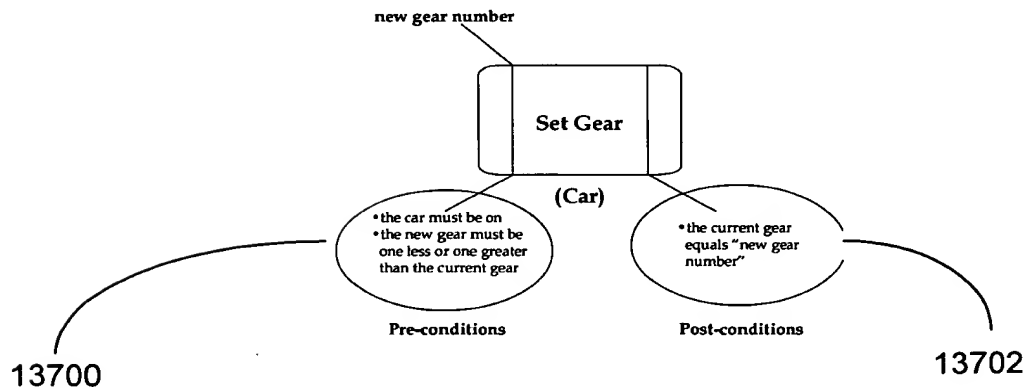


**Figure 134**



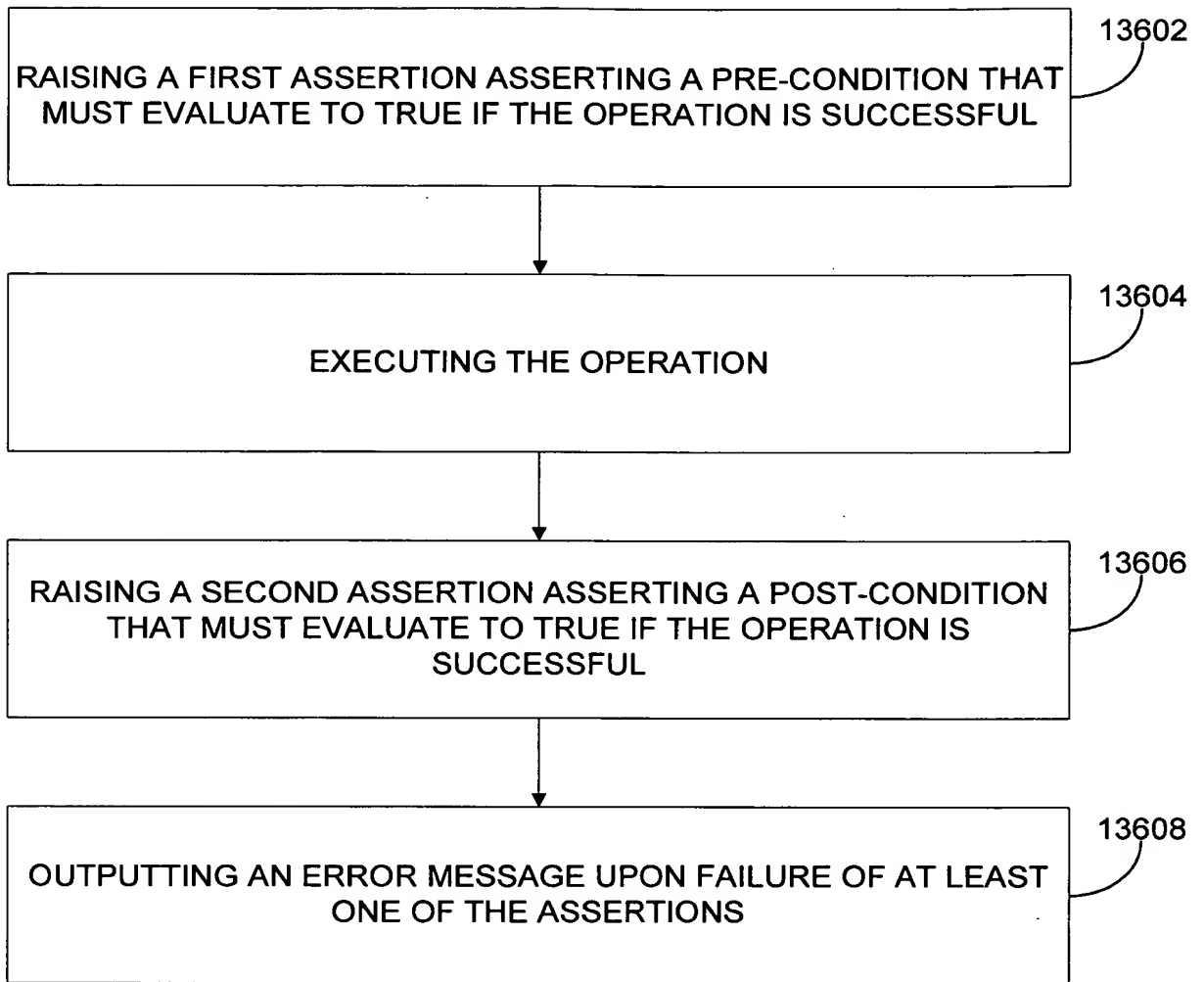


**Figure 135**

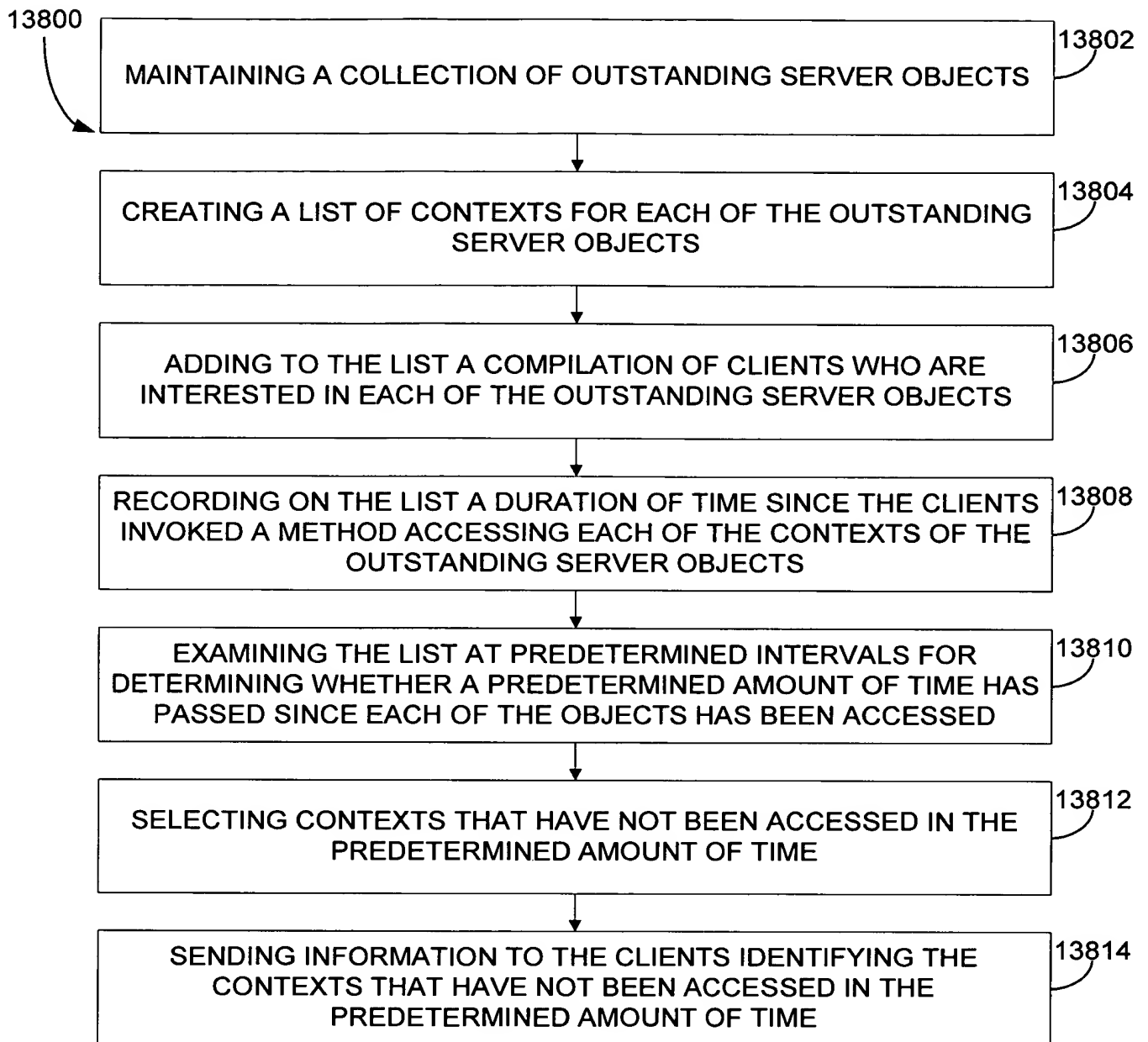


**Figure 137**

13600



**Figure 136**



**Figure 138**



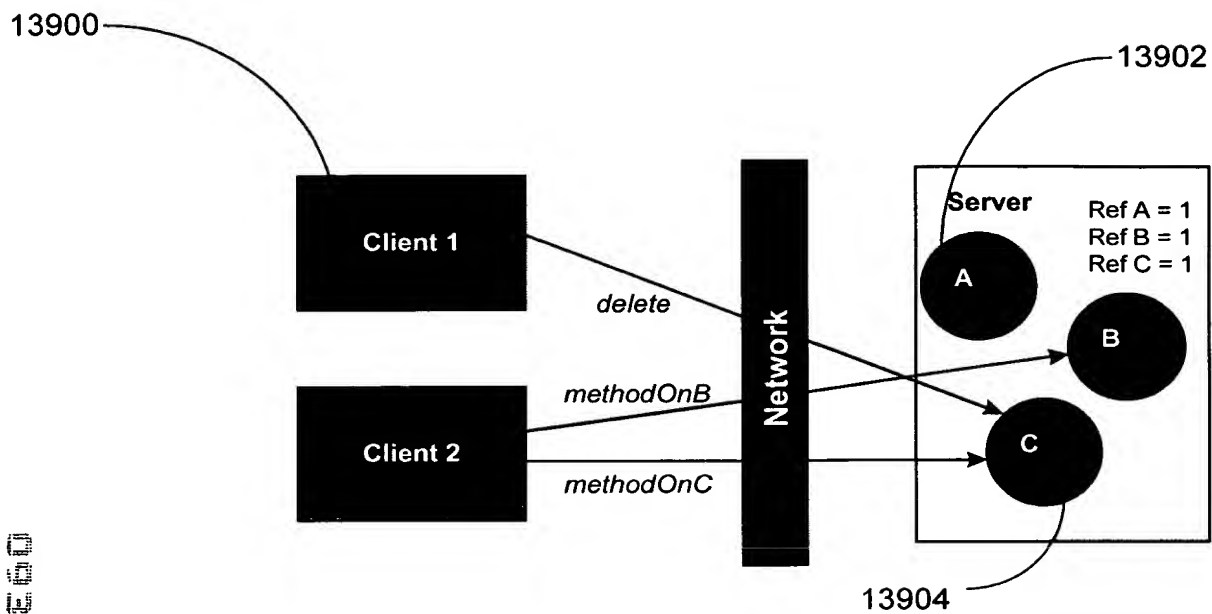


Figure 139

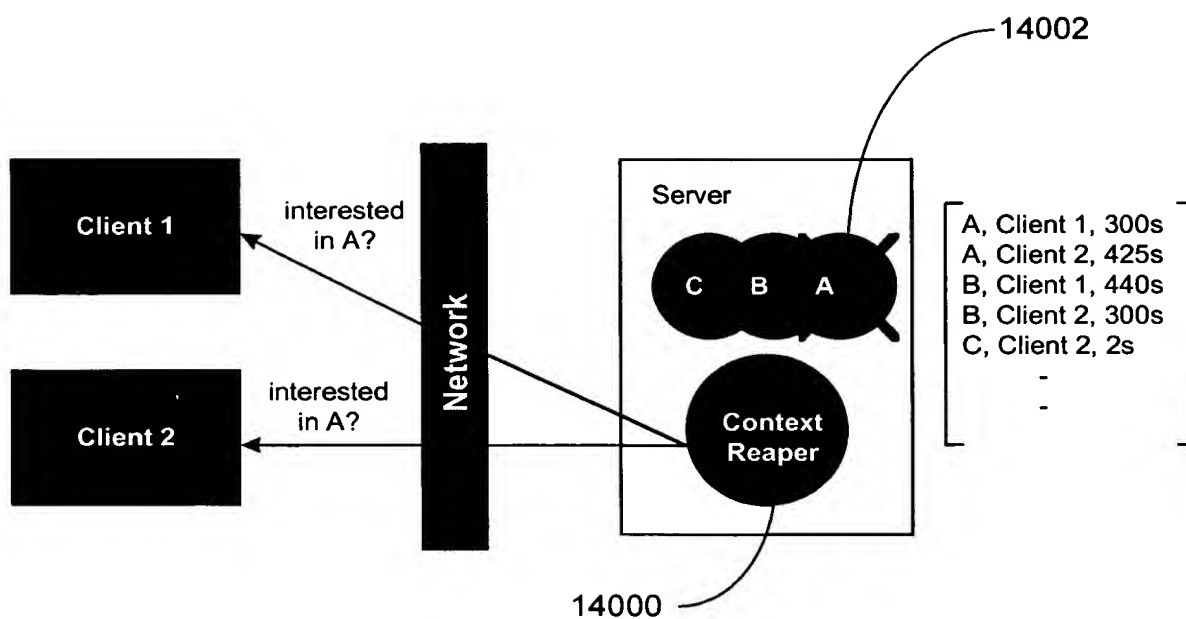
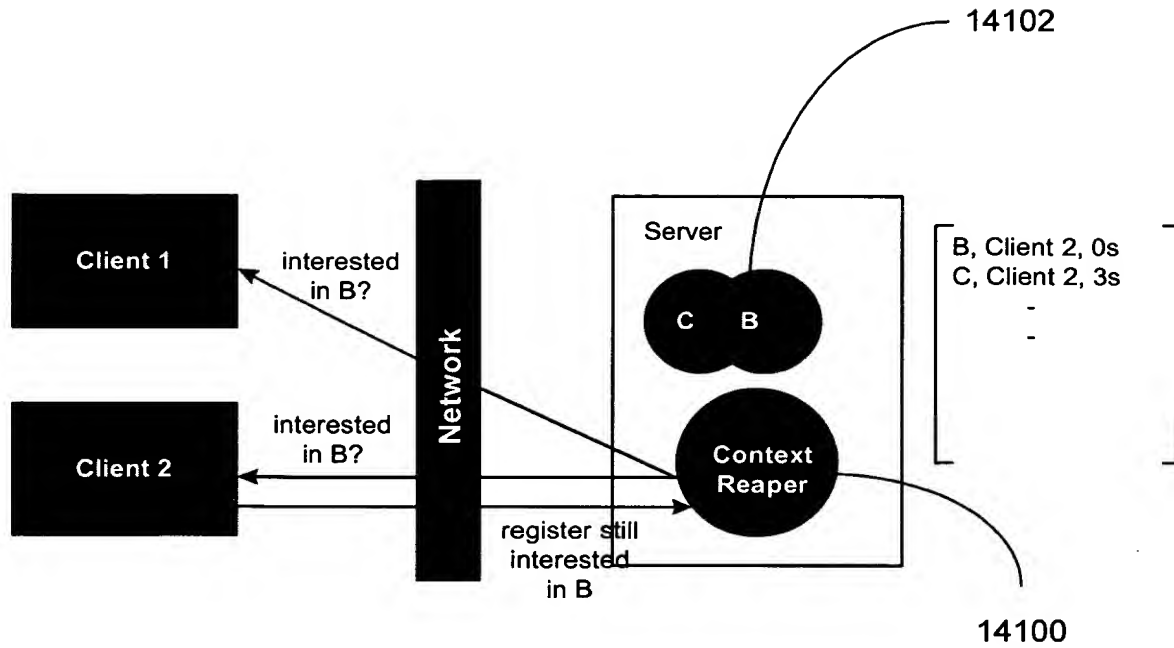
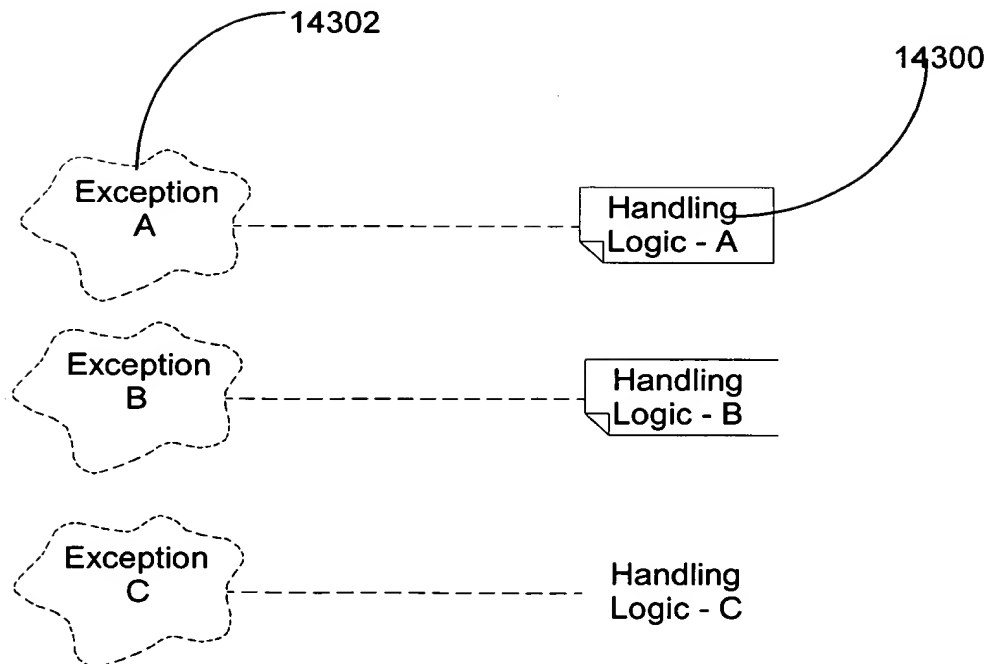


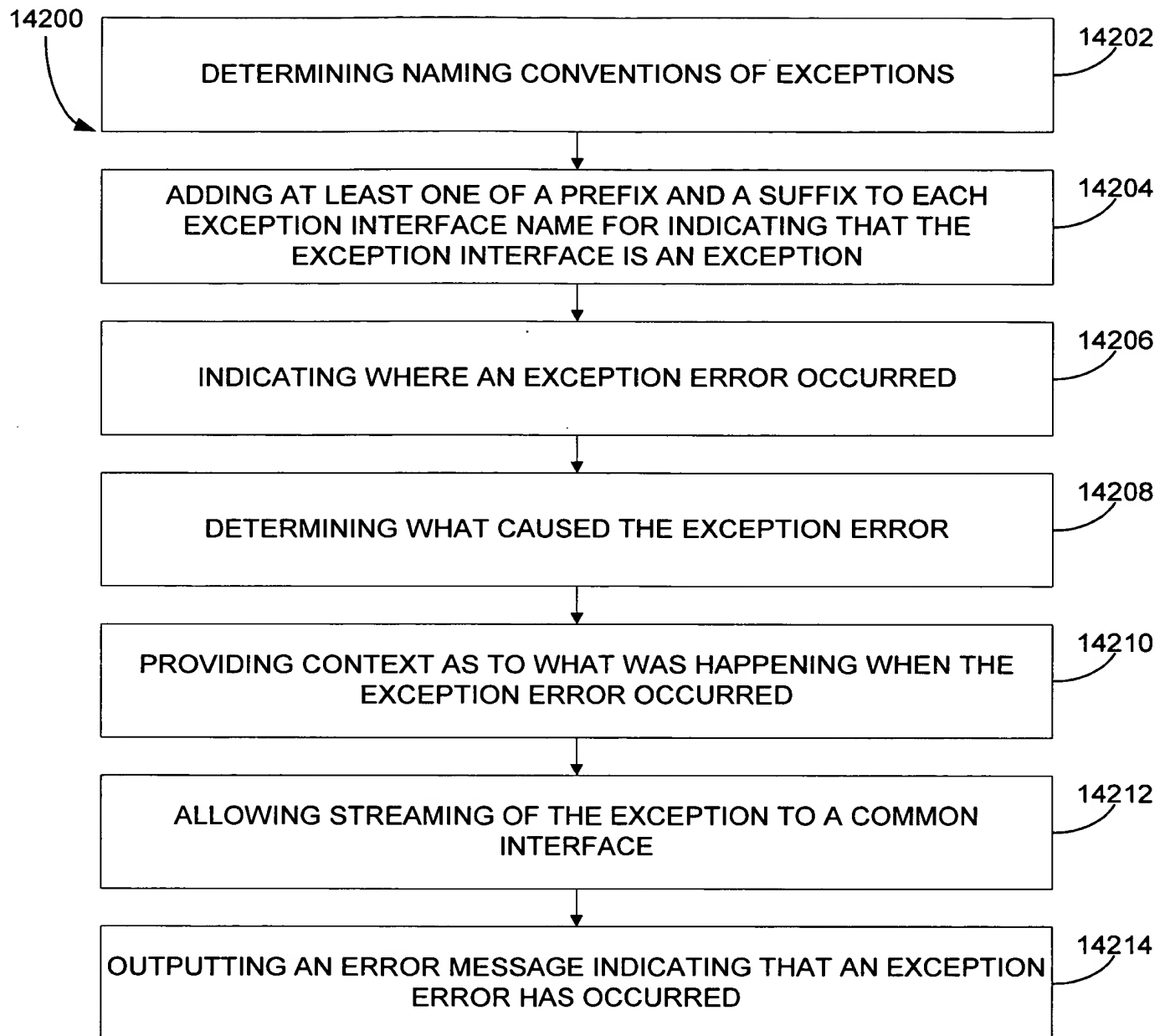
Figure 140



**Figure 141**



**Figure 143**

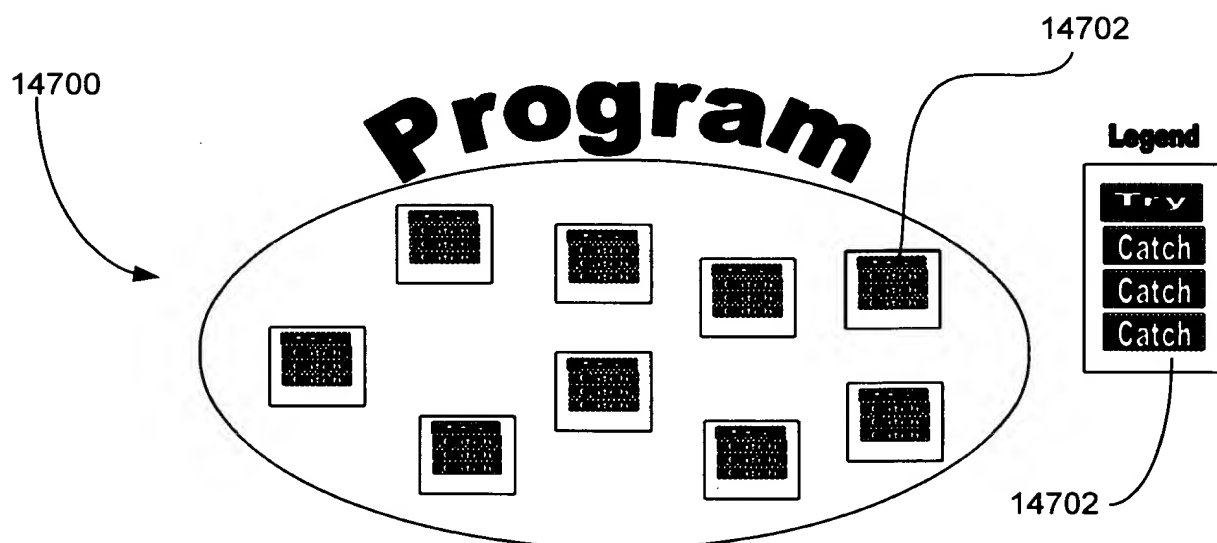


**Figure 142**

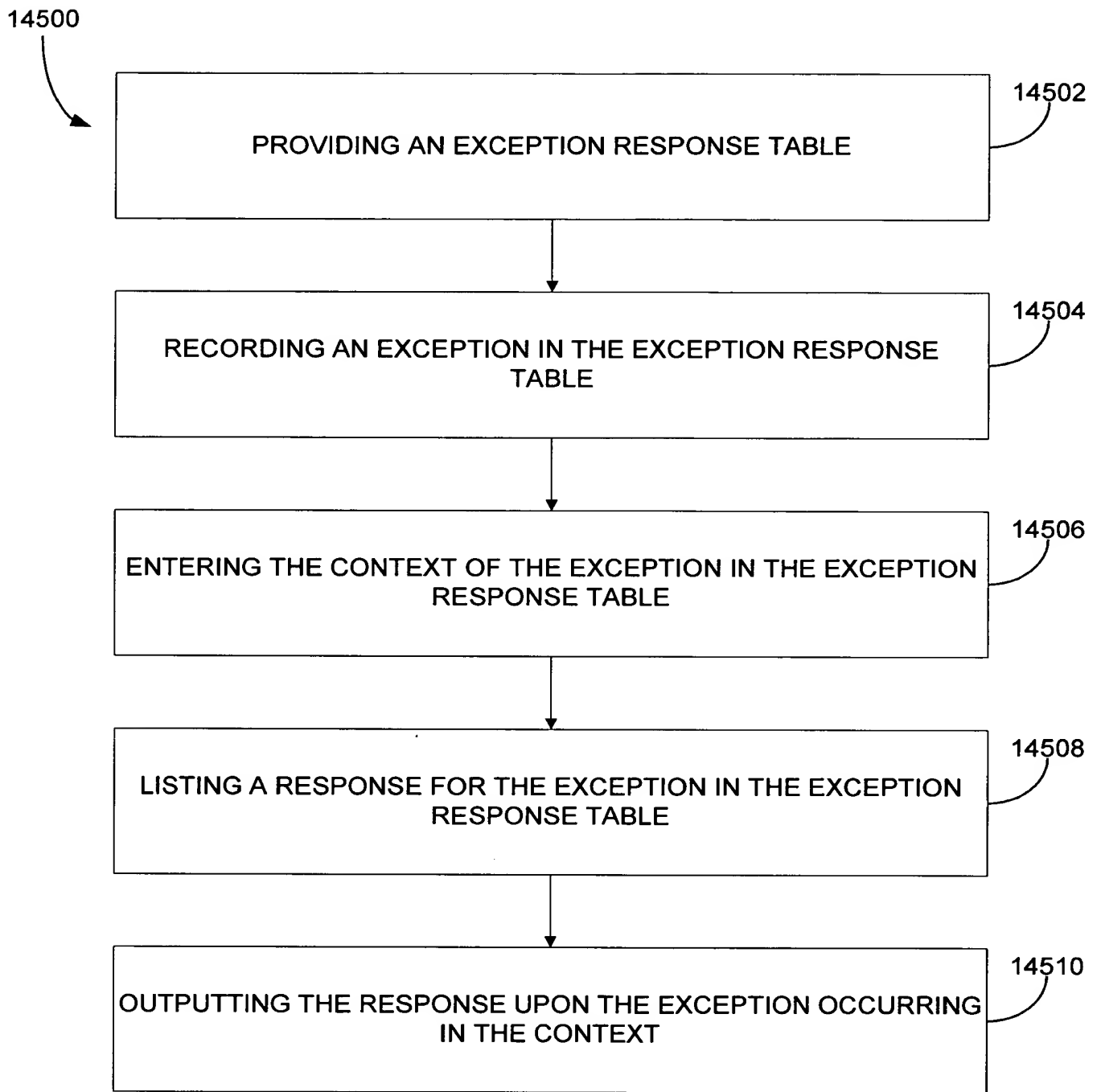
```

graph TD
    BaseExcp[BaseExcp] -.-> HL[Handling Logic]
    BaseExcp --> ExceptionA[Exception A]
    BaseExcp --> ExceptionB[Exception B]
    BaseExcp --> ExceptionC[Exception C]
    ExceptionA --- 14400[14400]
    ExceptionB --- 14402[14402]
    ExceptionC --- 14404[14404]
  
```

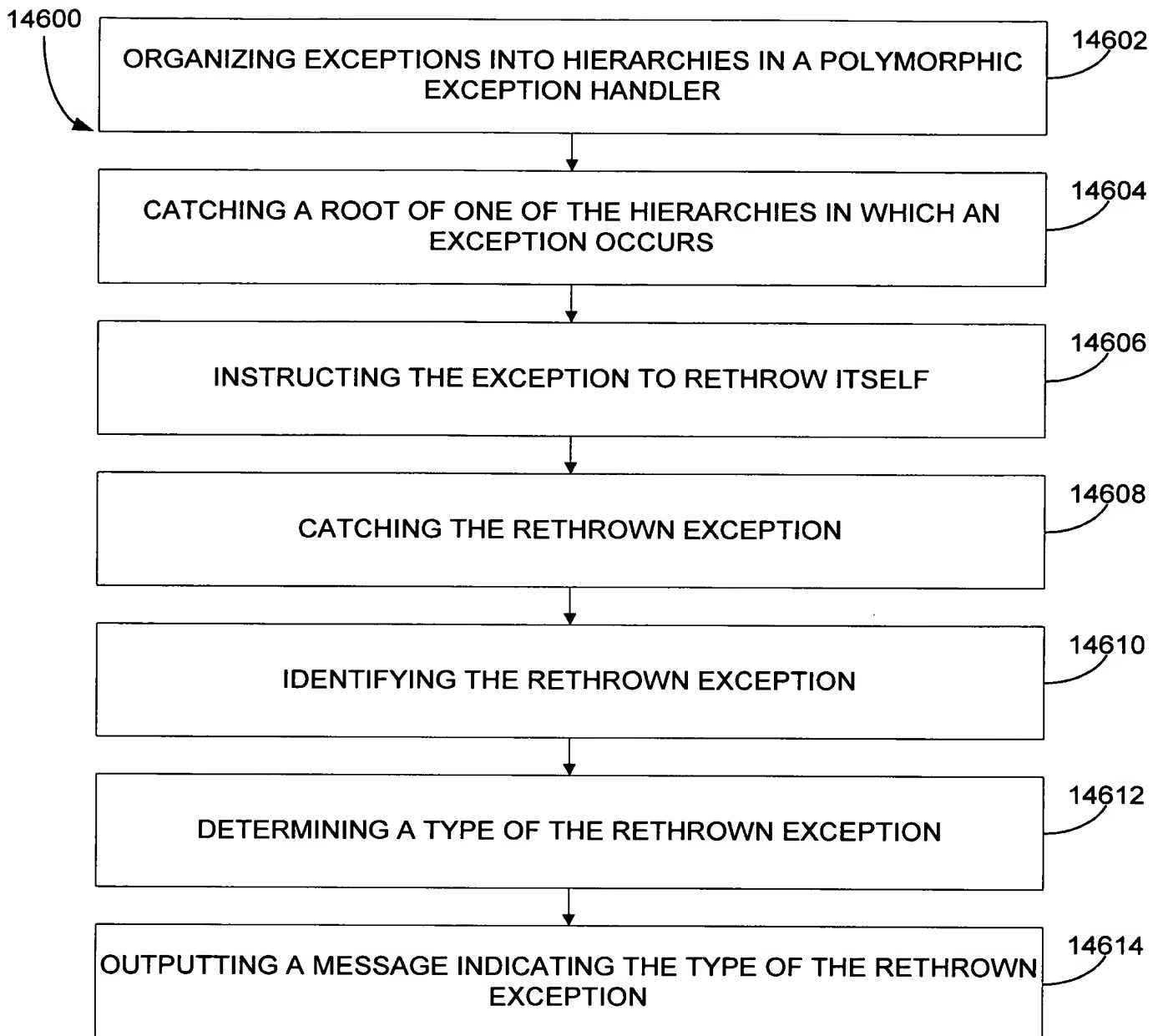
### Figure 144



### Figure 147



**Figure 145**



**Figure 146**

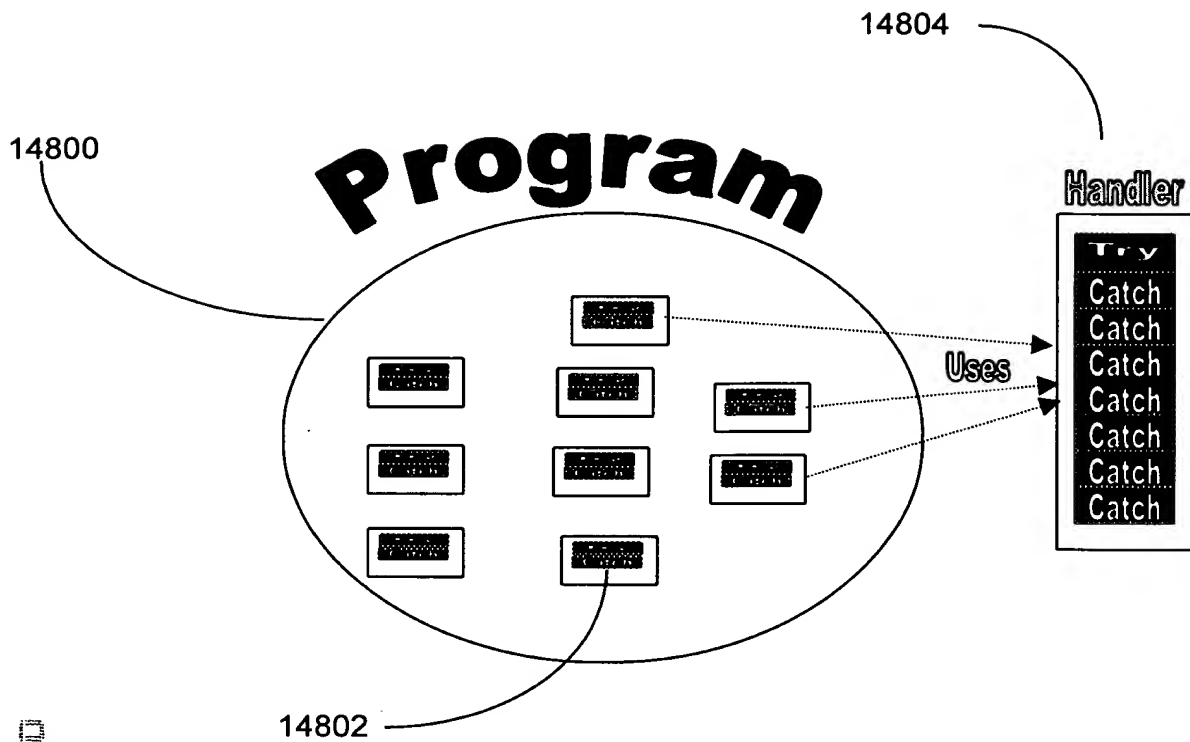
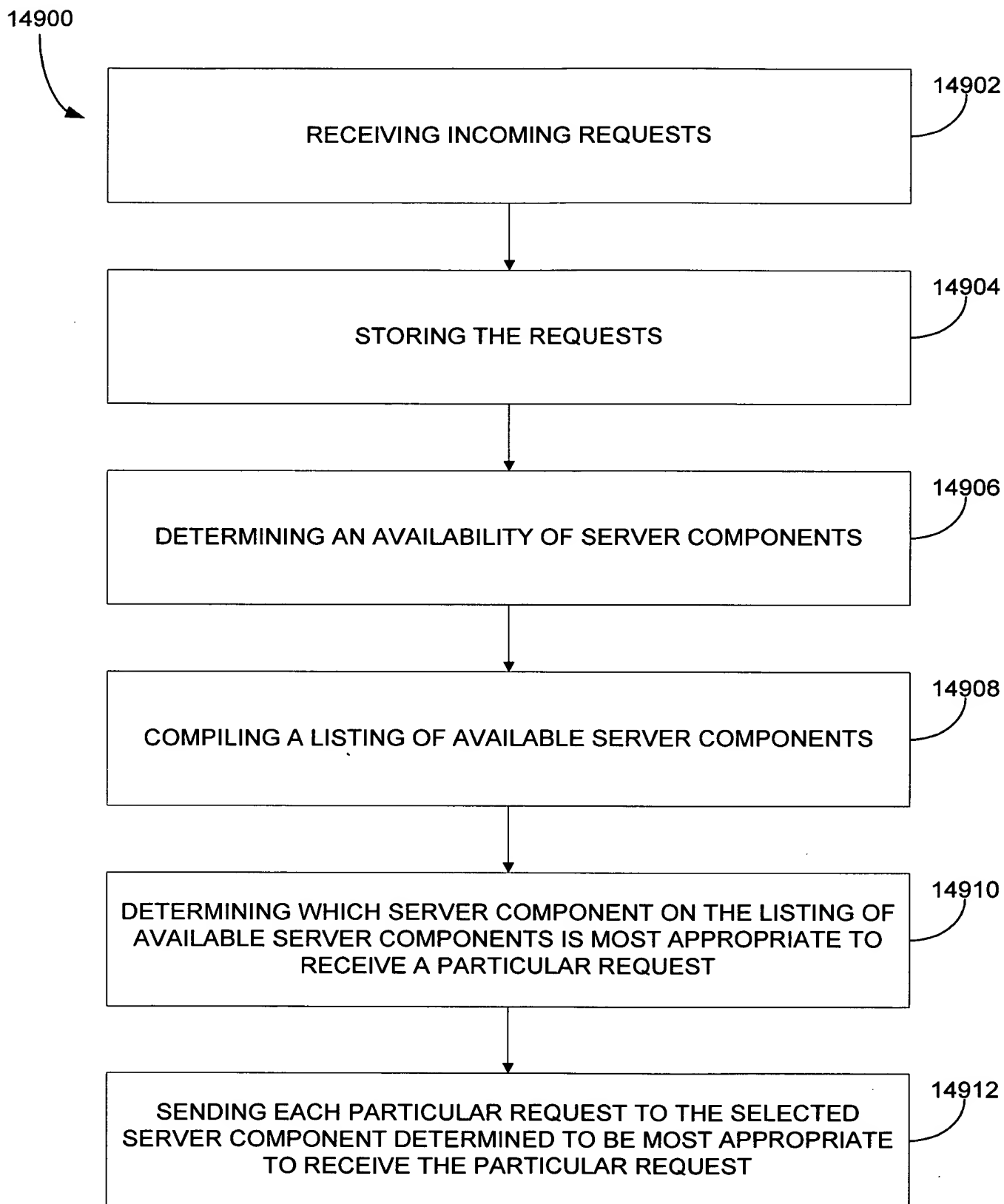


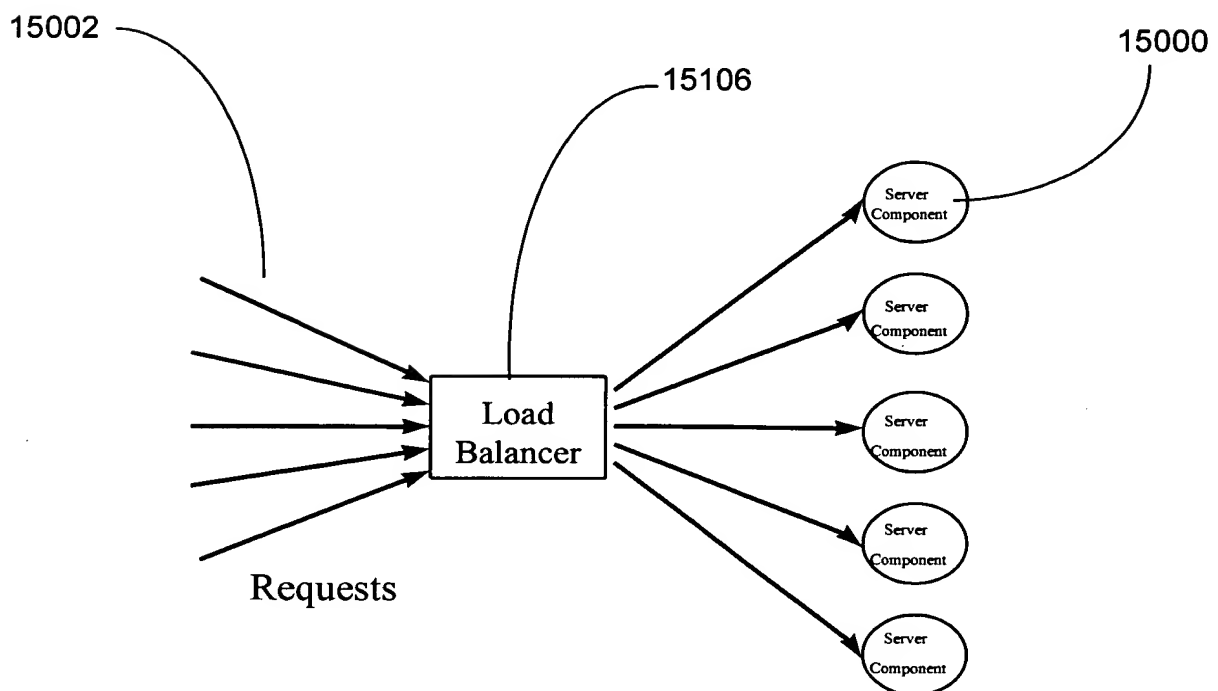
Figure 148



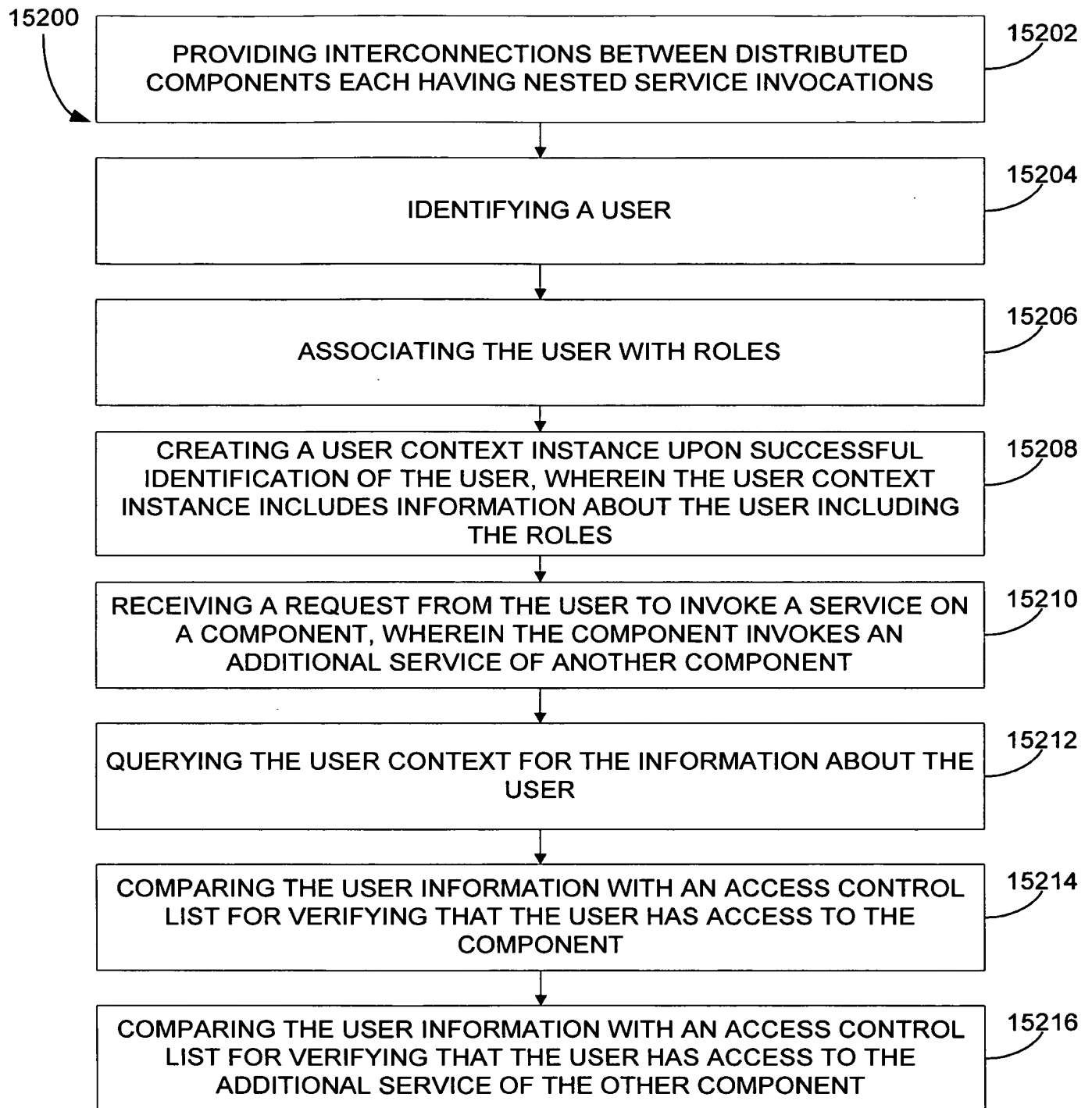
**Figure 149**



### Figure 150



### Figure 151



### Figure 152

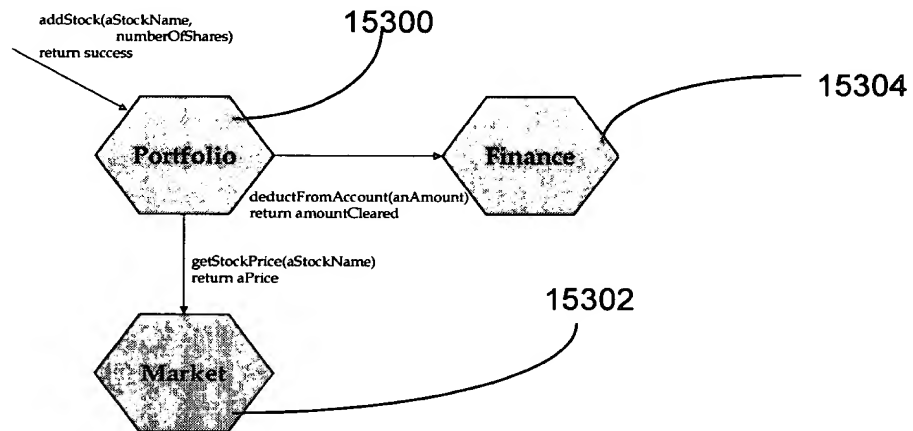


Figure 153

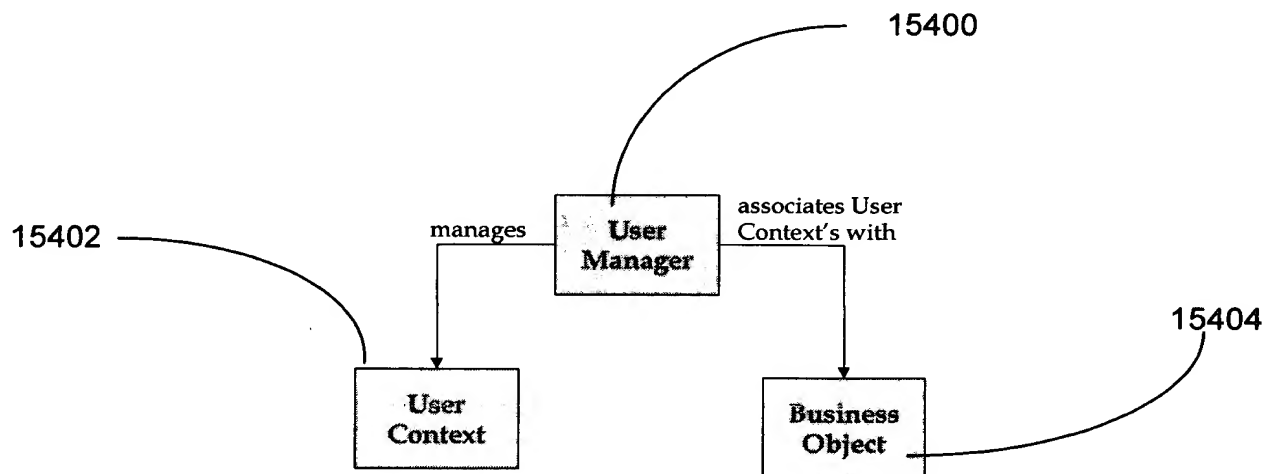
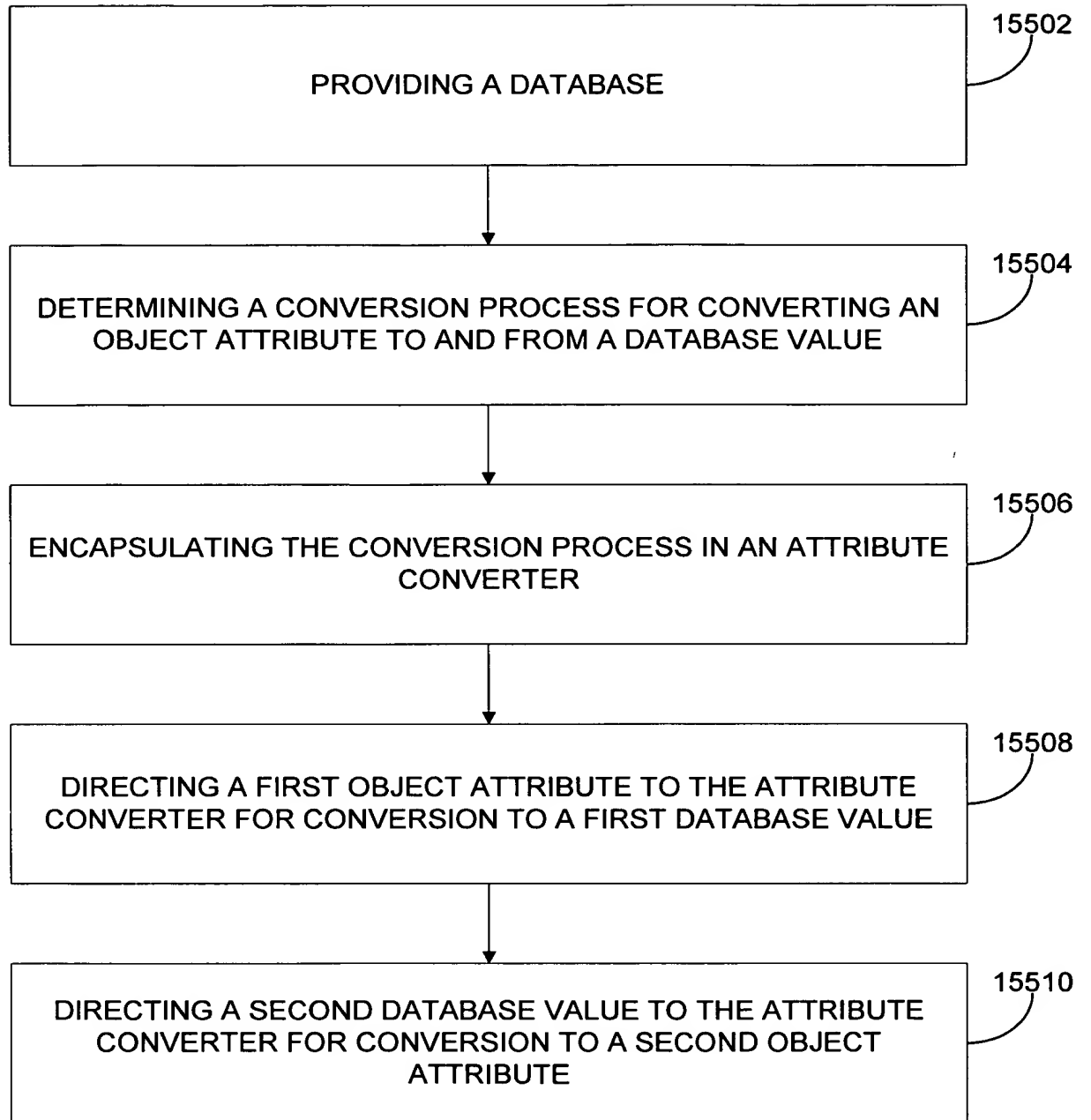


Figure 154

15500



**Figure 155**

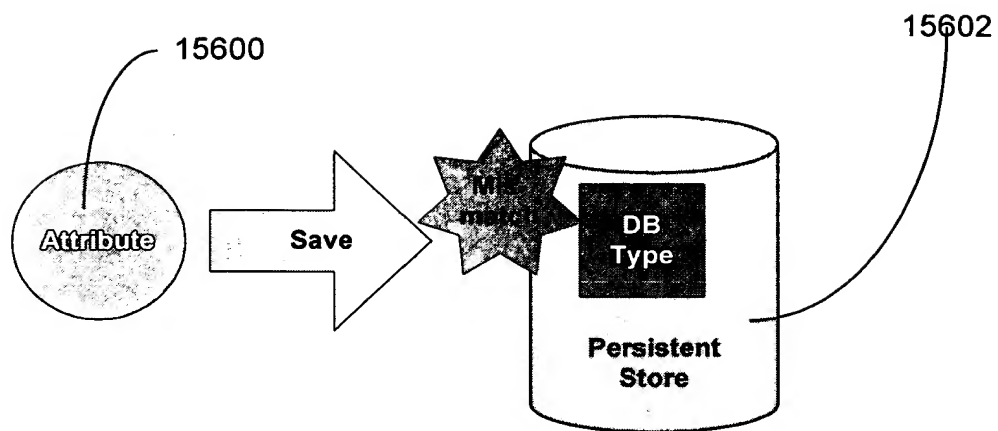


Figure 156

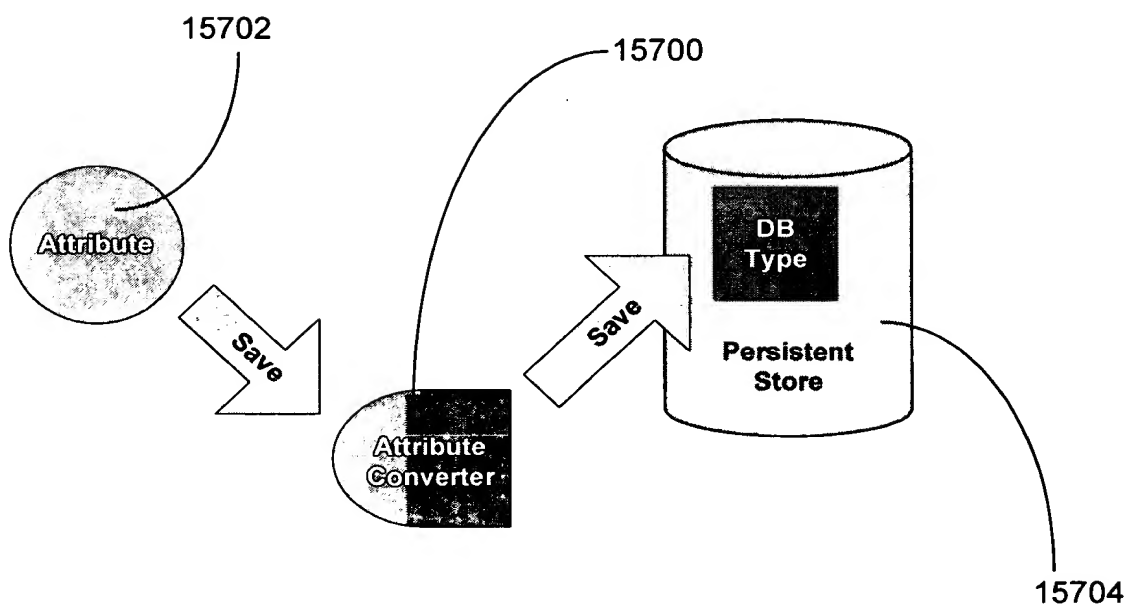
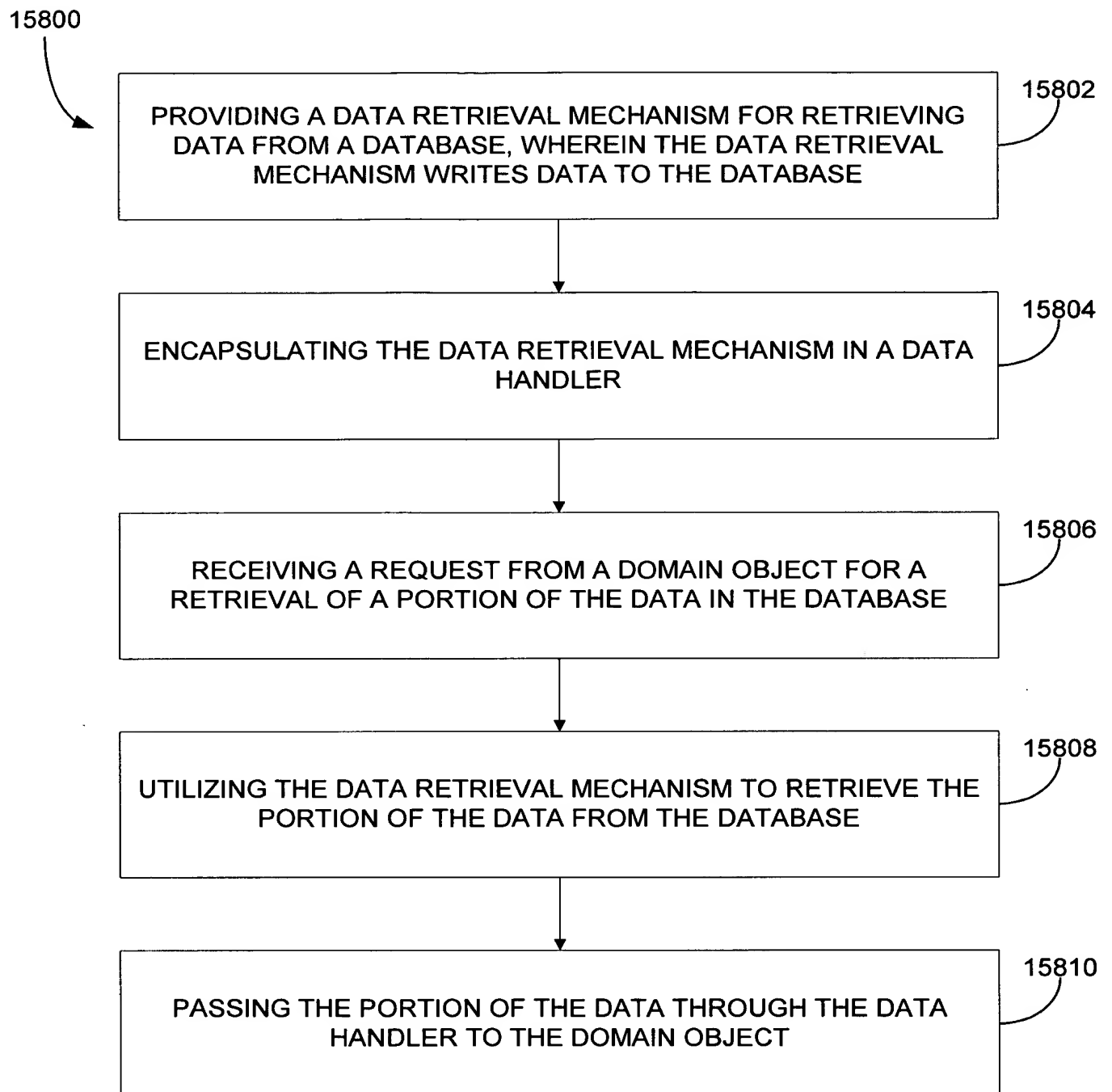
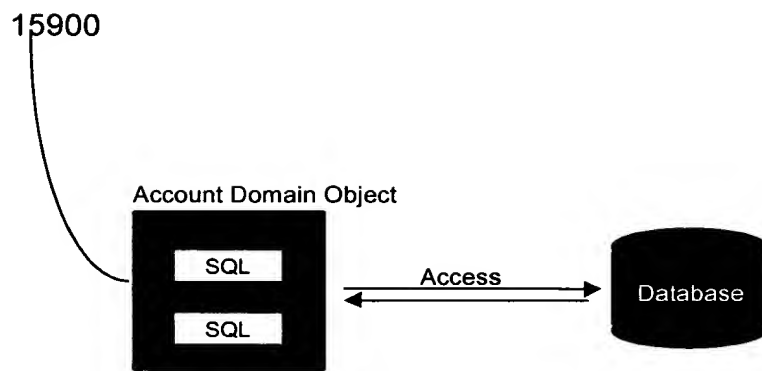


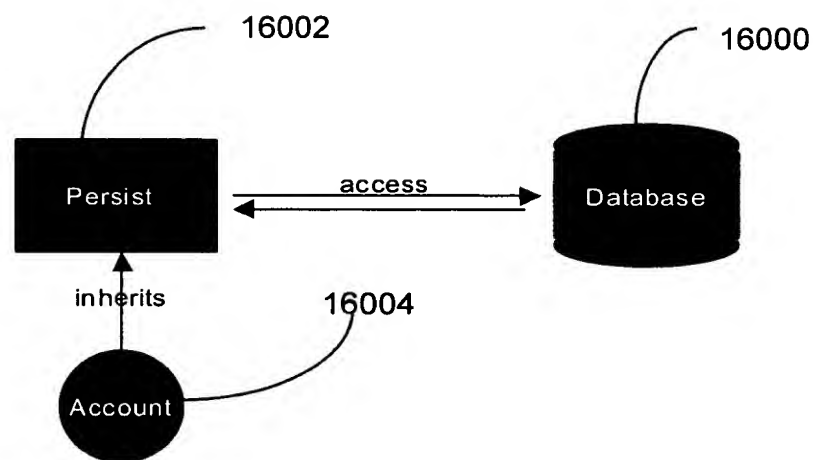
Figure 157



**Figure 158**



**Figure 159**



**Figure 160**

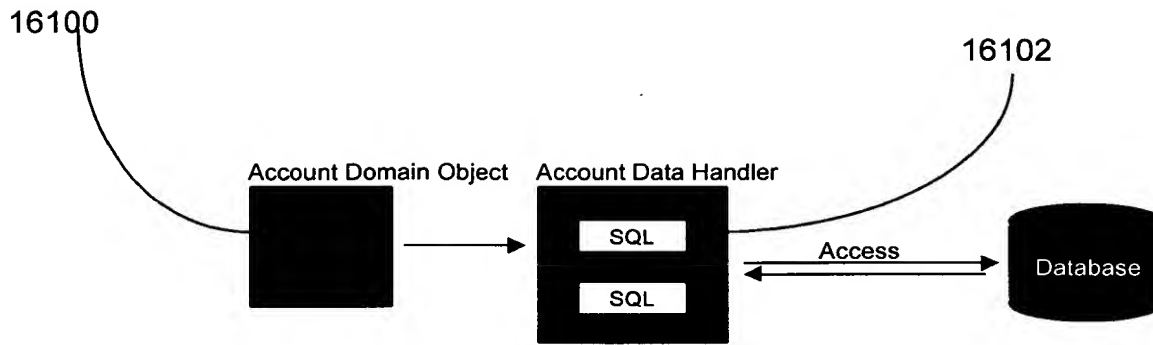


Figure 161

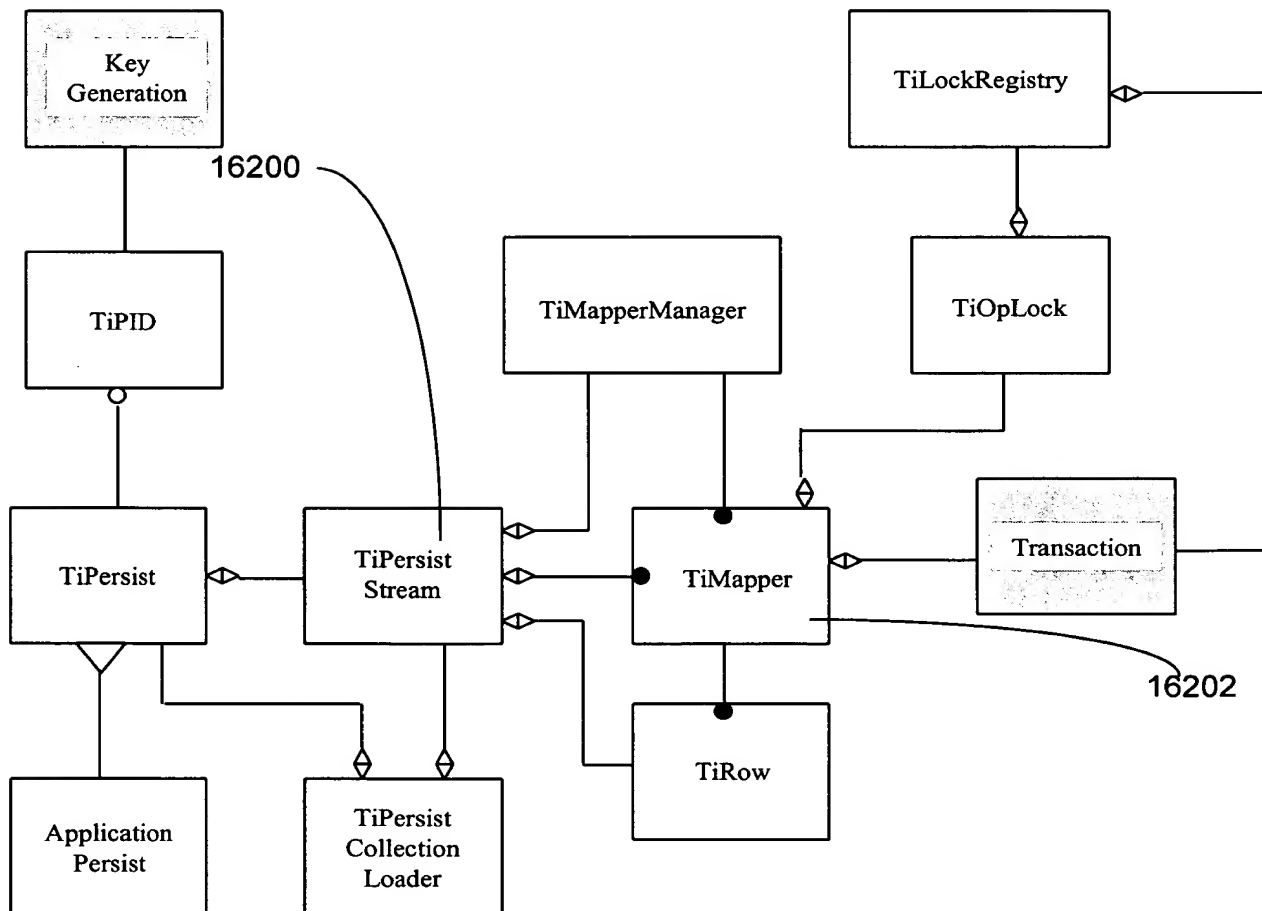
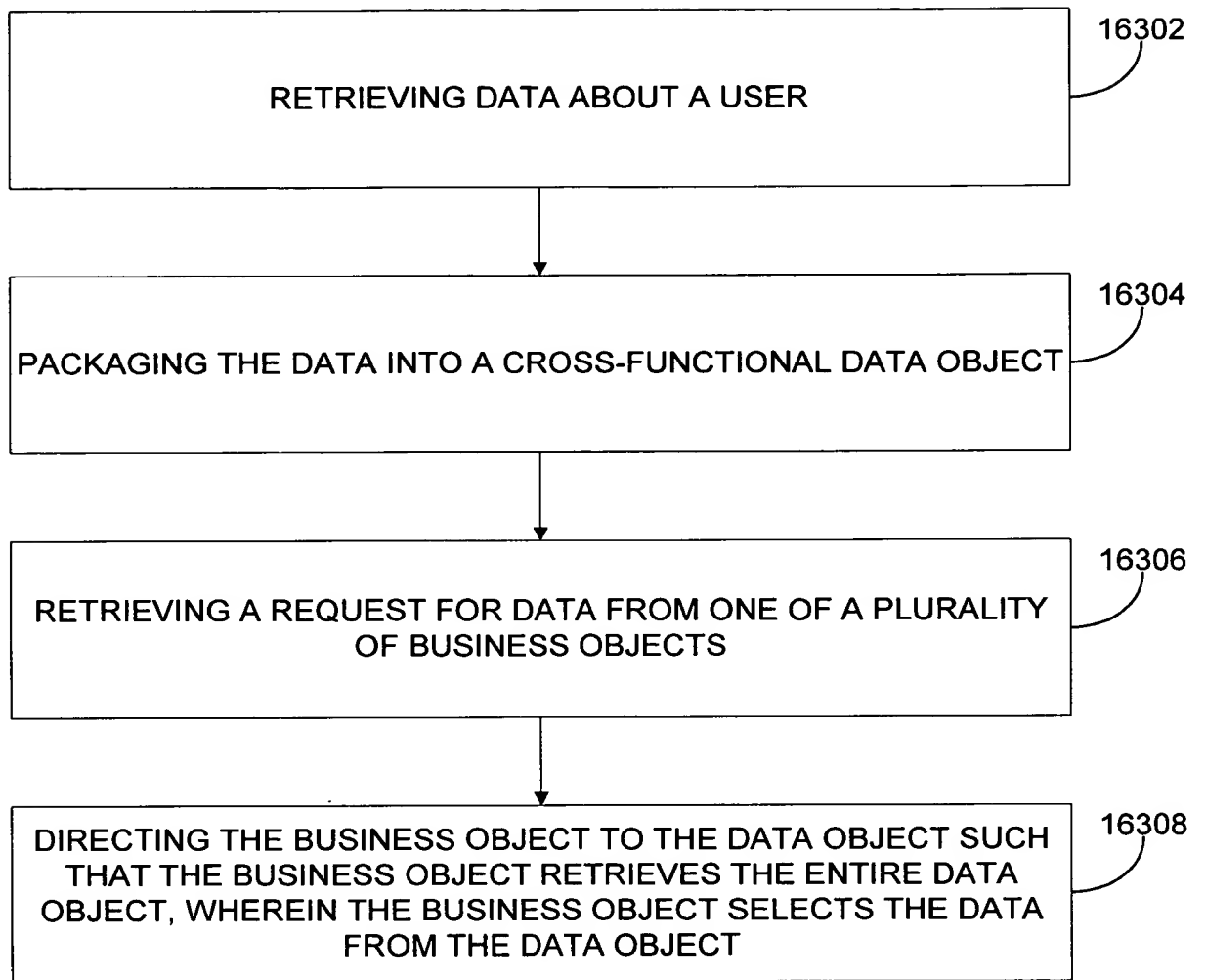


Figure 162



16300

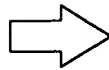


**Figure 163**

Account Payment

Account ID	101
Customer ID	ABCD
Service Charges	\$10.93
Balance Due	\$27.11
Amount Paid	\$27.11
Date	7/2/95
<input checked="" type="radio"/> Credit Card #	3892
<input type="radio"/> Check #	

Save Cancel



```
struct AccountPaymentData
{
    char    accountID[24]
           customerID[24]
    Money   serviceCharges,
           balanceDue,
           amountPaid;
    Date    paymentDate;
    int     creditCardNum,
           checkNum;
};
```

Figure 164

Account Payment

Account ID	101
Customer ID	ABCD
Service Charges	\$10.93
Balance Due	\$27.11
Amount Paid	\$27.11
Date	7/2/95
<input checked="" type="radio"/> Credit Card #	3892
<input type="radio"/> Check #	

Save Cancel

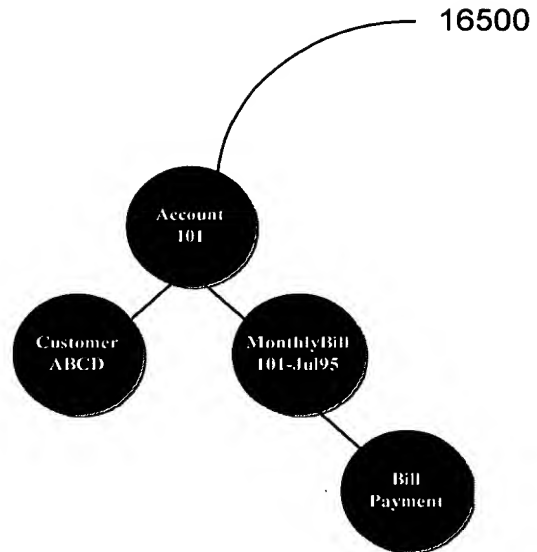
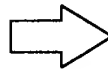
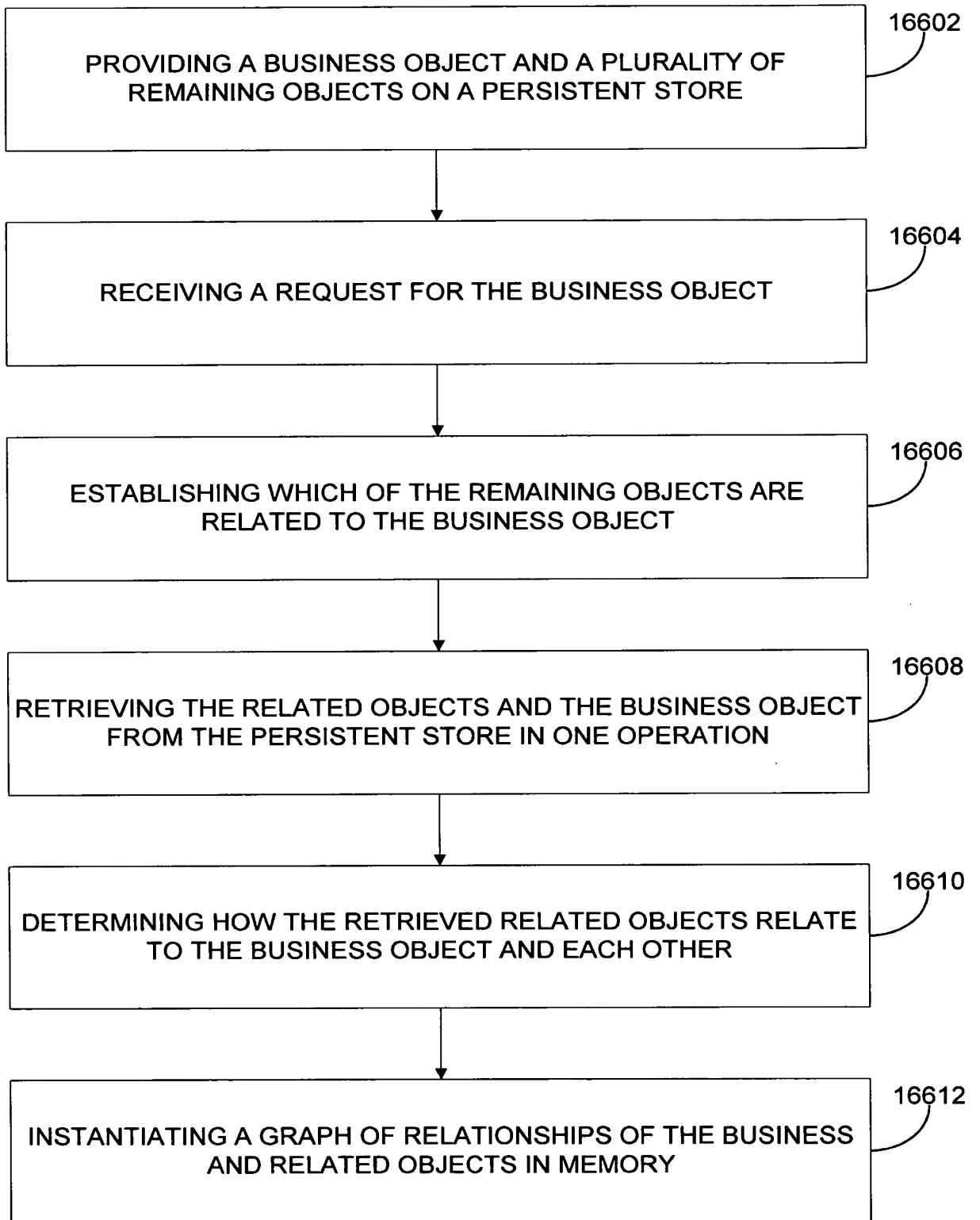


Figure 165

16600



**Figure 166**

16700

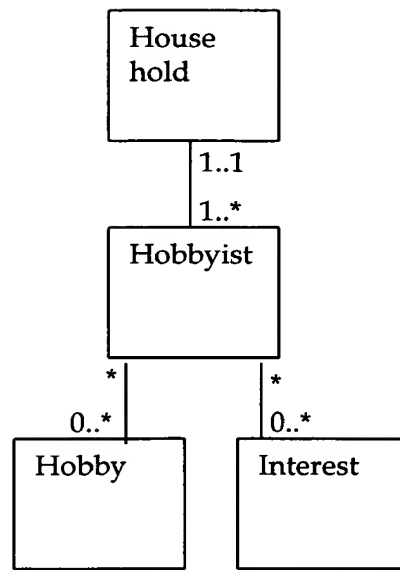


Figure 167

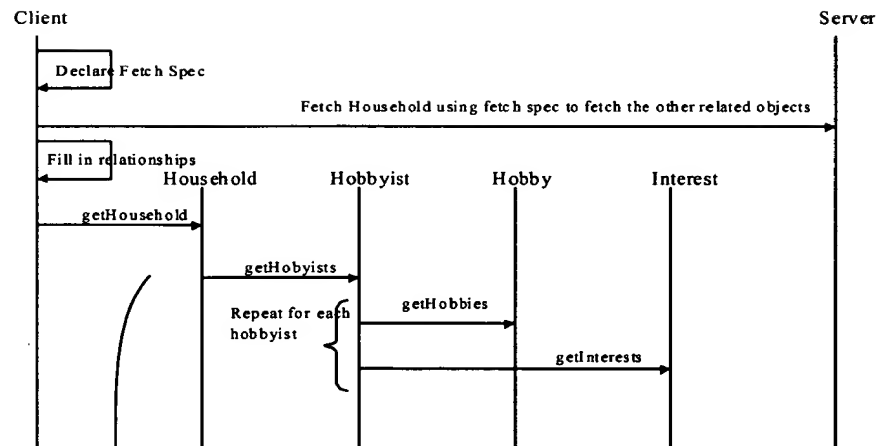
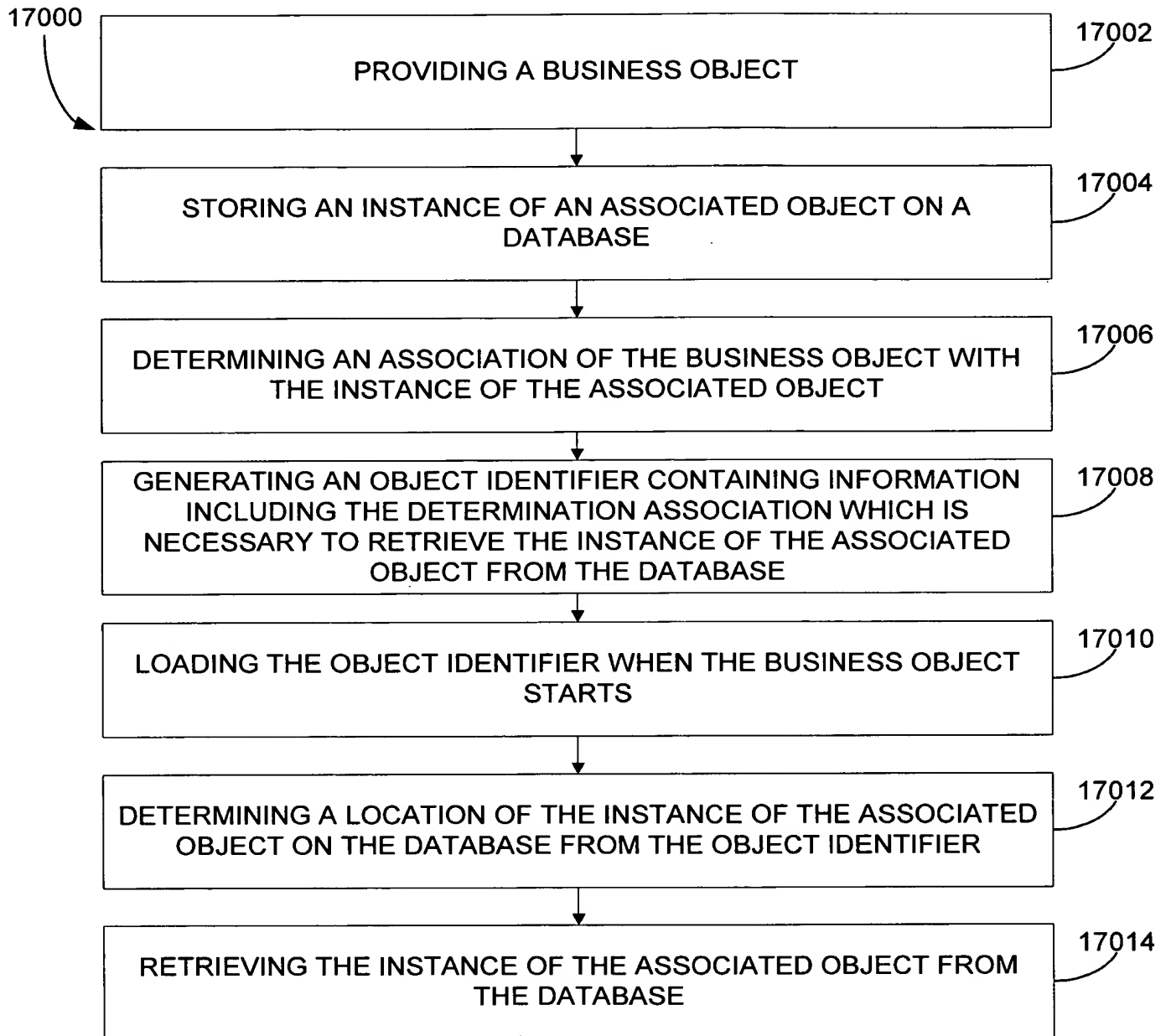


Figure 168

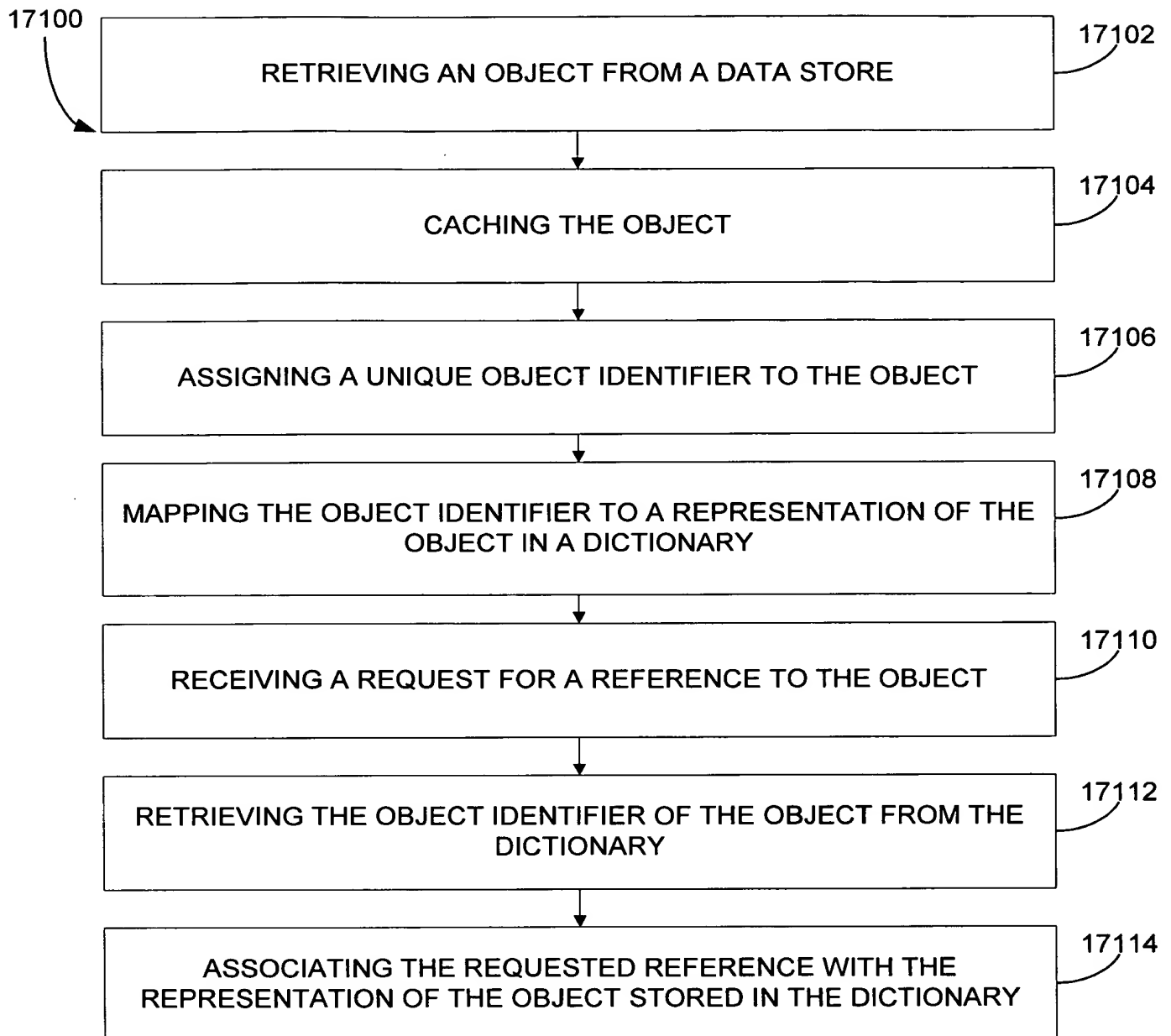
16700-16800

1680



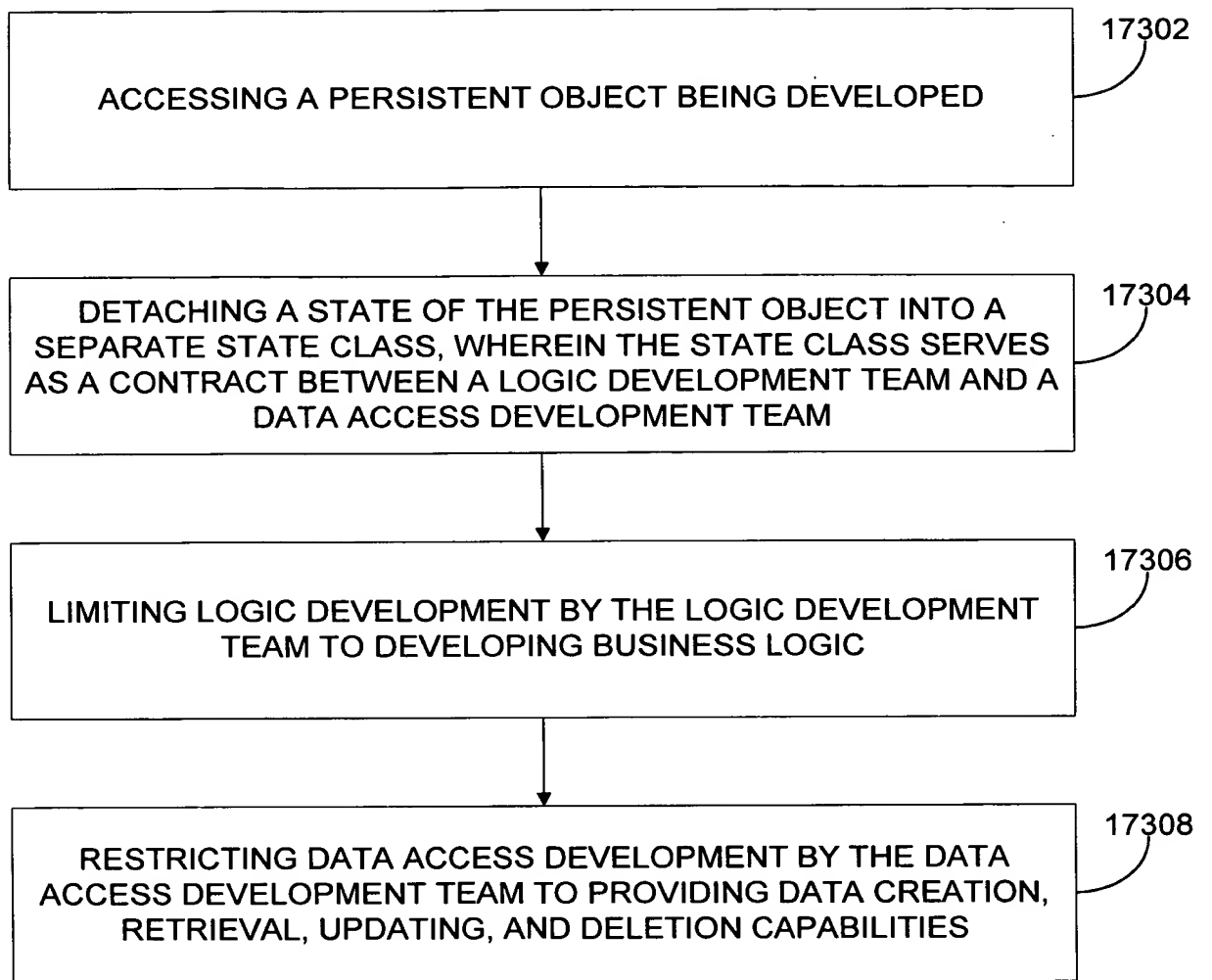


**Figure 170**



**Figure 171**

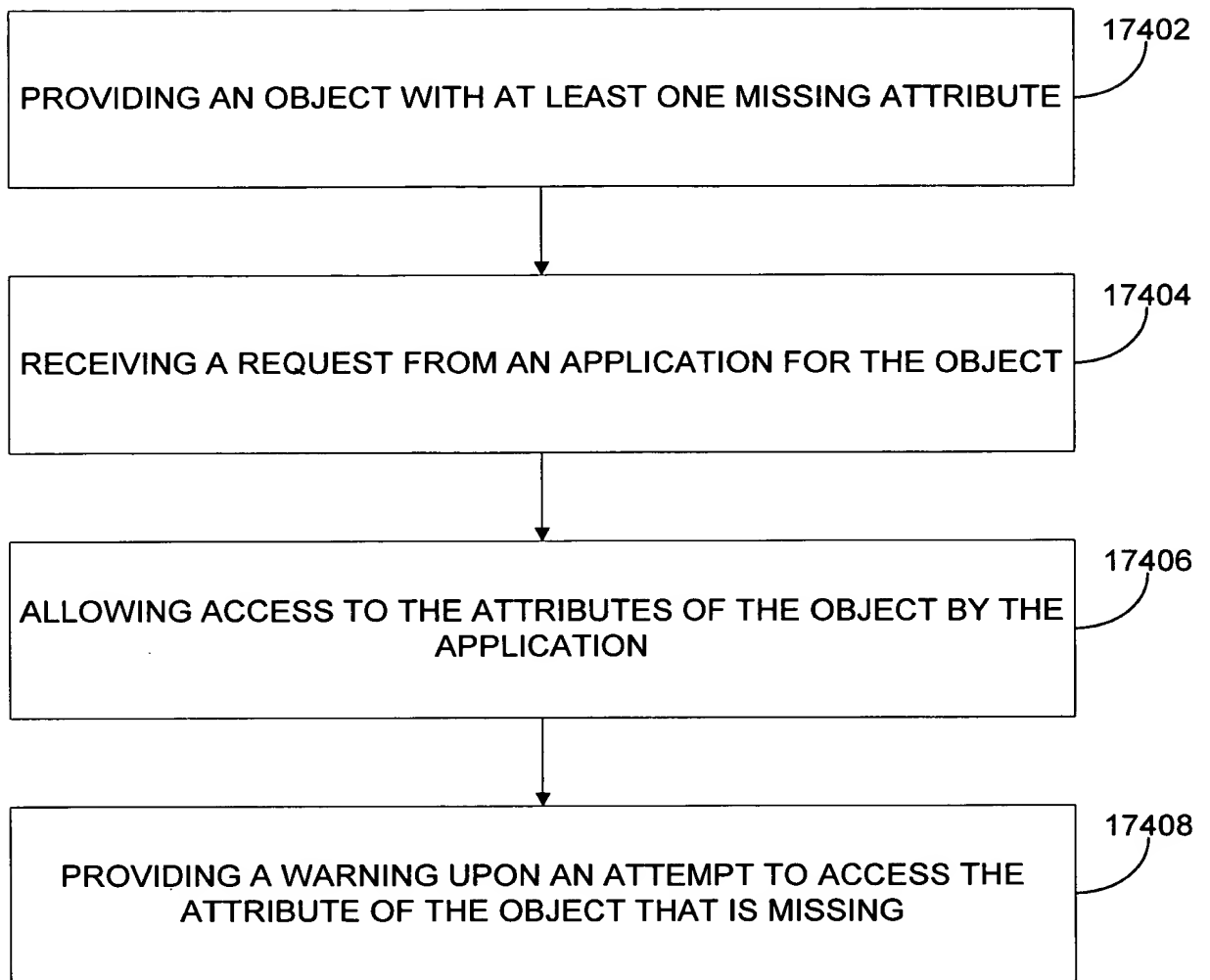
17300



**Figure 173**



17400



**Figure 174**

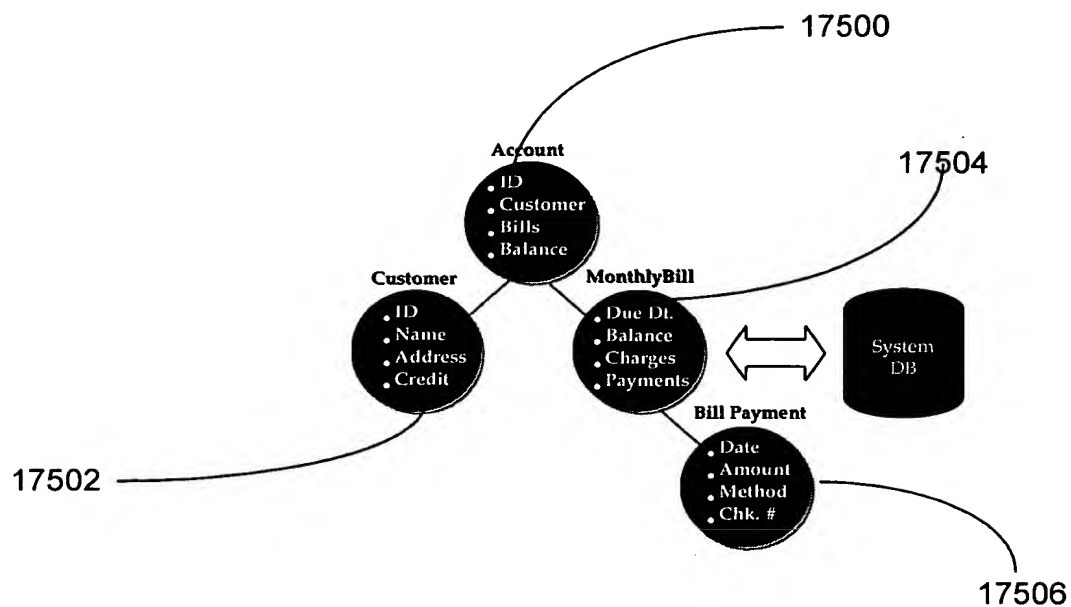


Figure 175

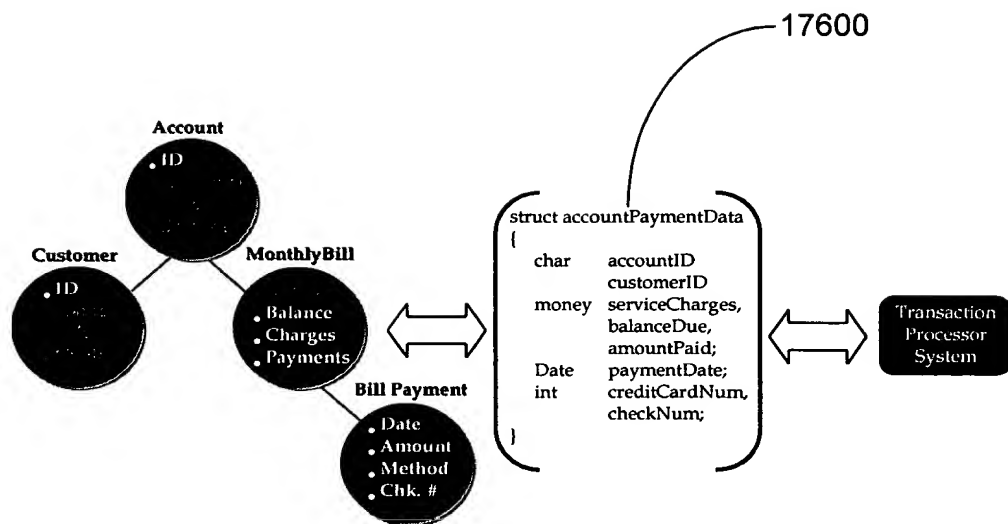
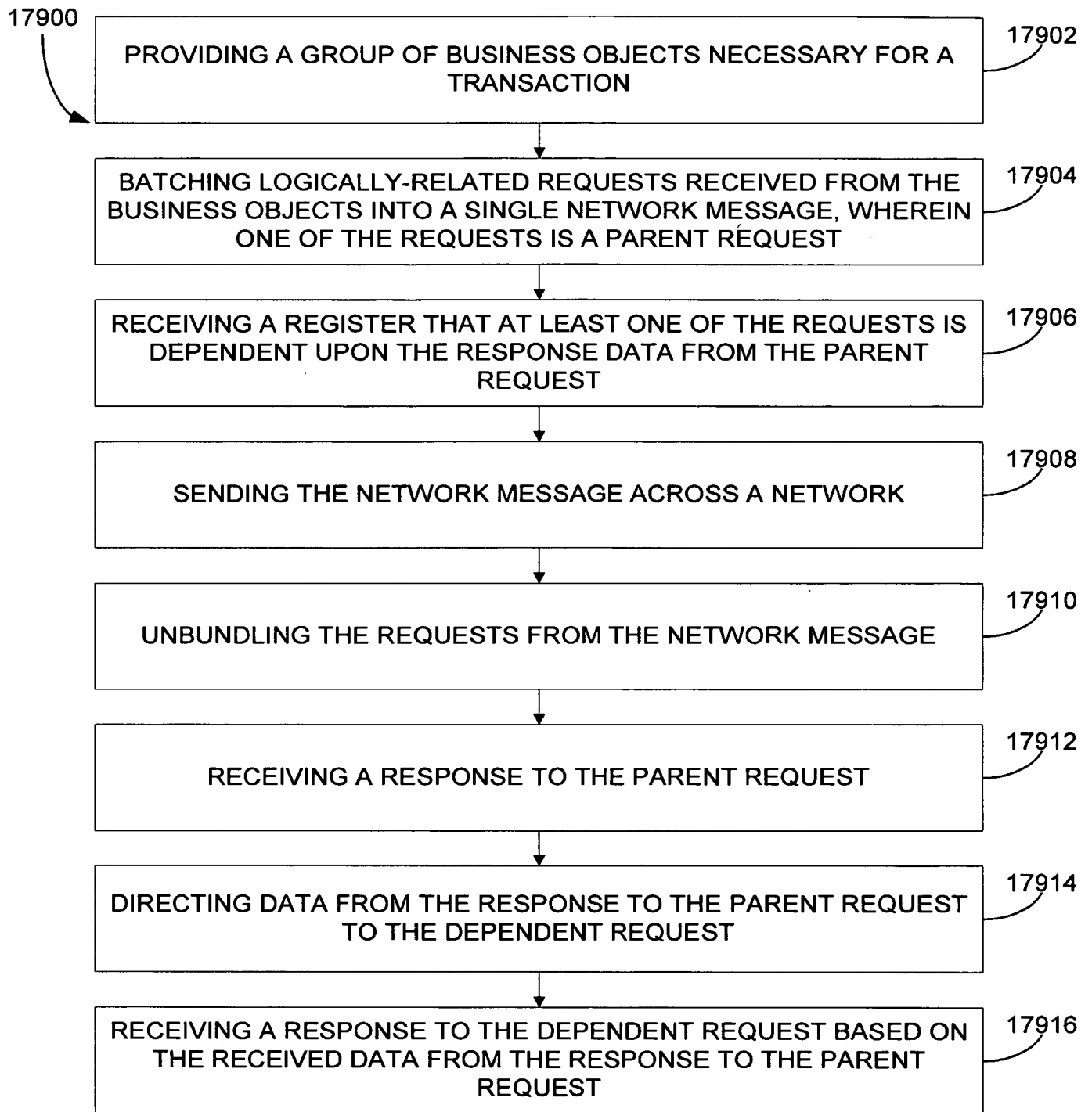


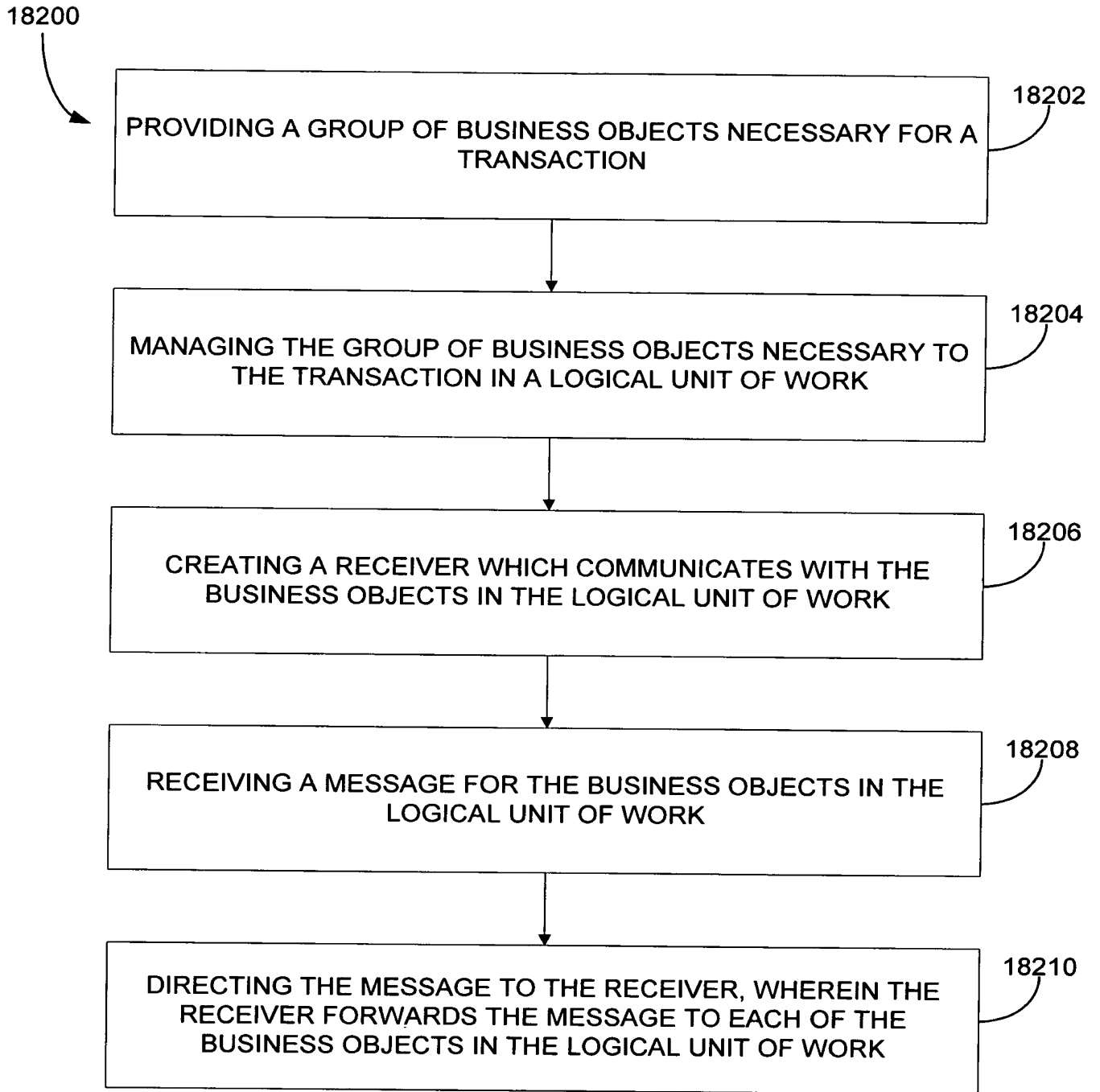
Figure 176

### Figure 178



**Figure 179**





**Figure 182**

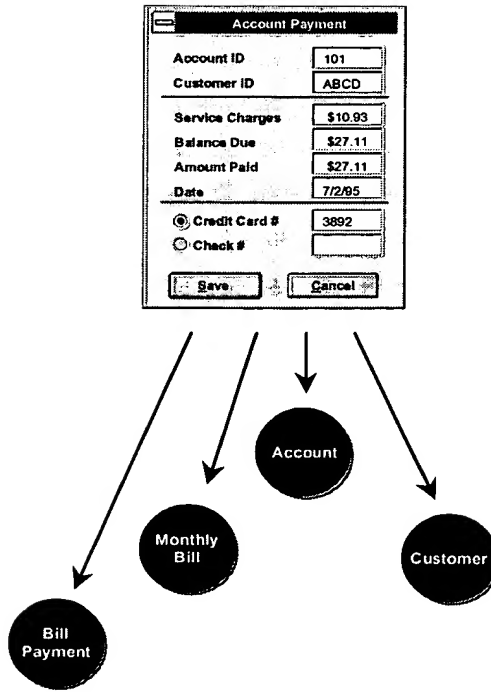


Figure 183

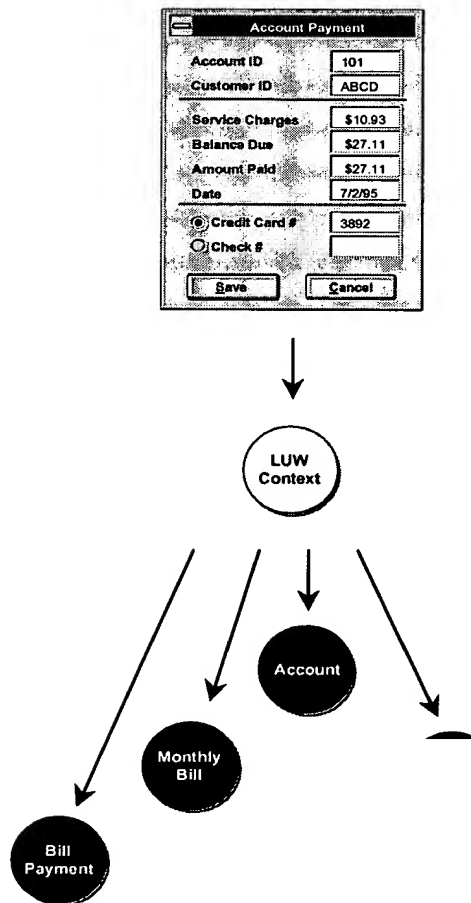
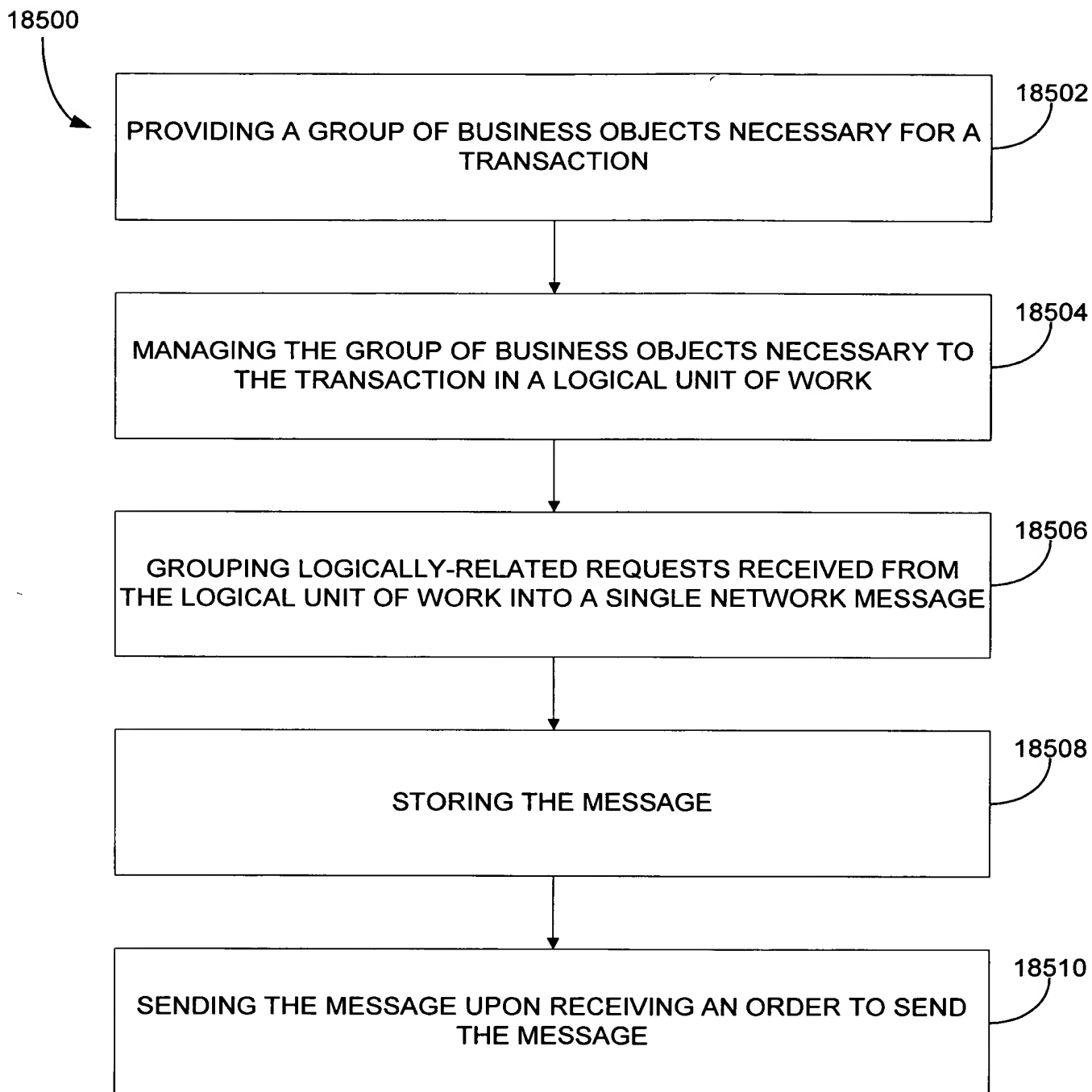


Figure 184



**Figure 185**



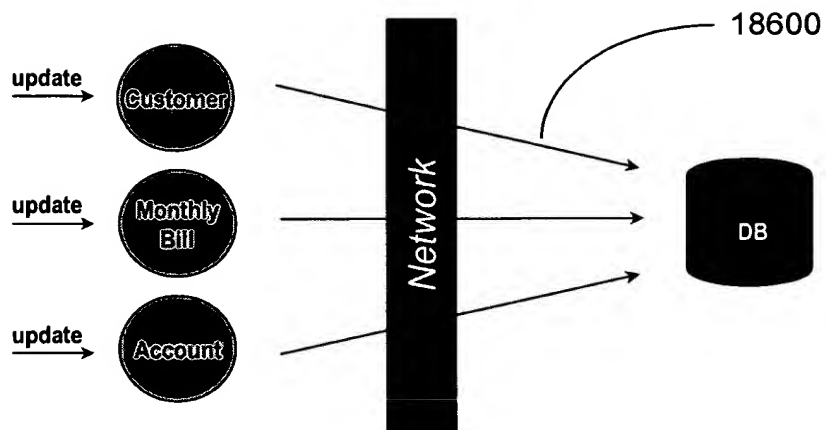


Figure 186

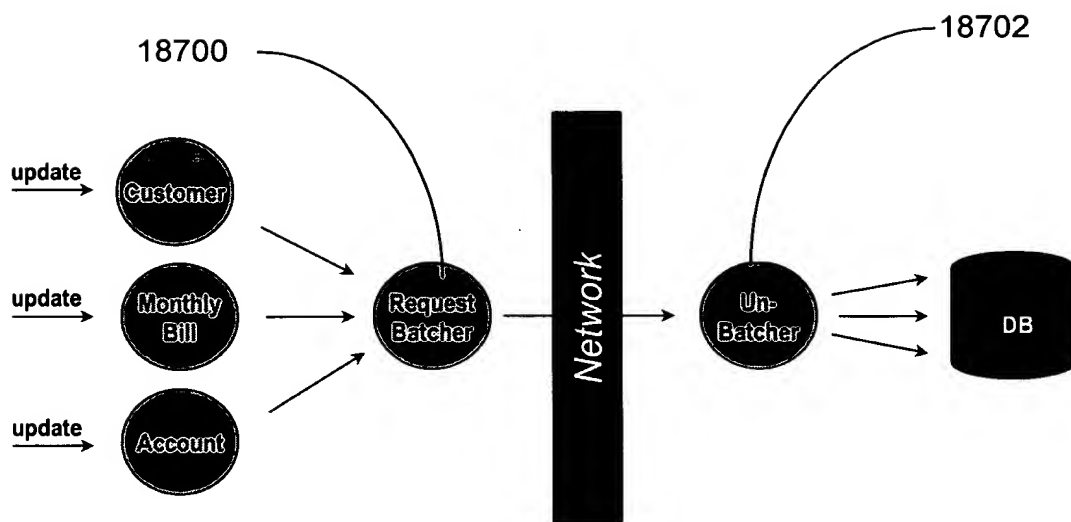
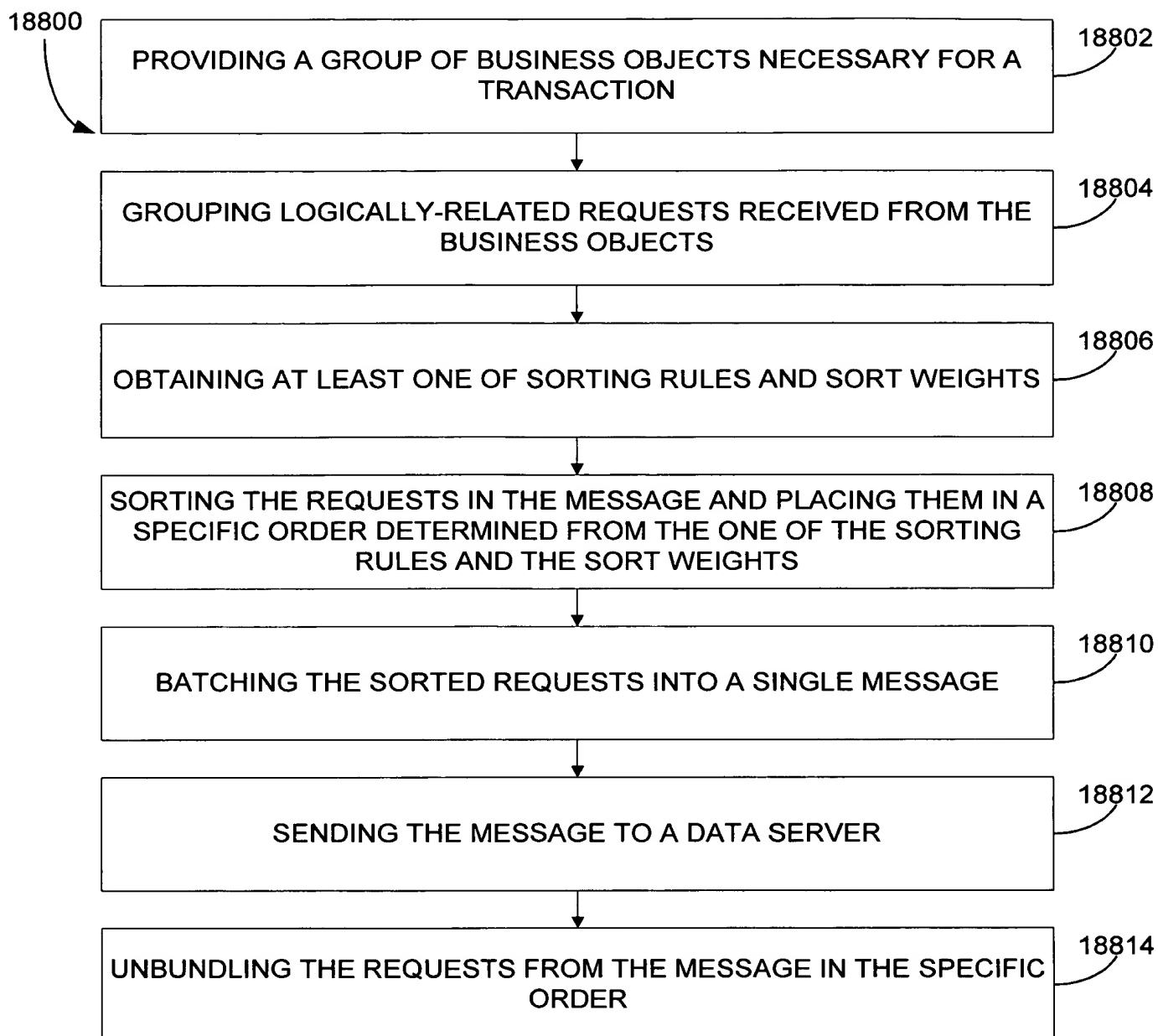
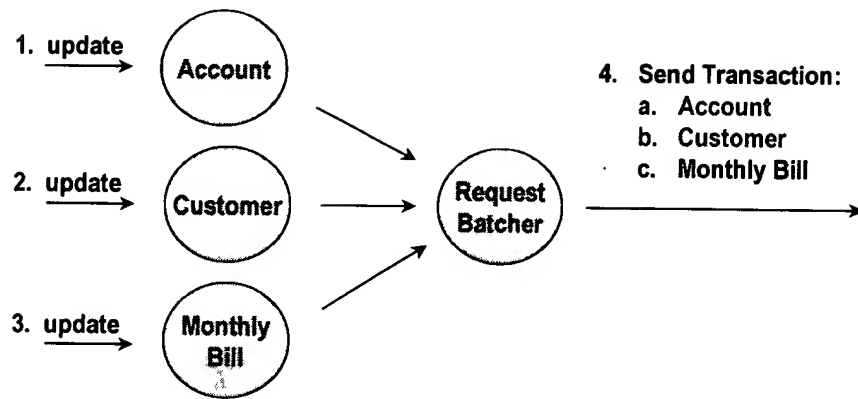


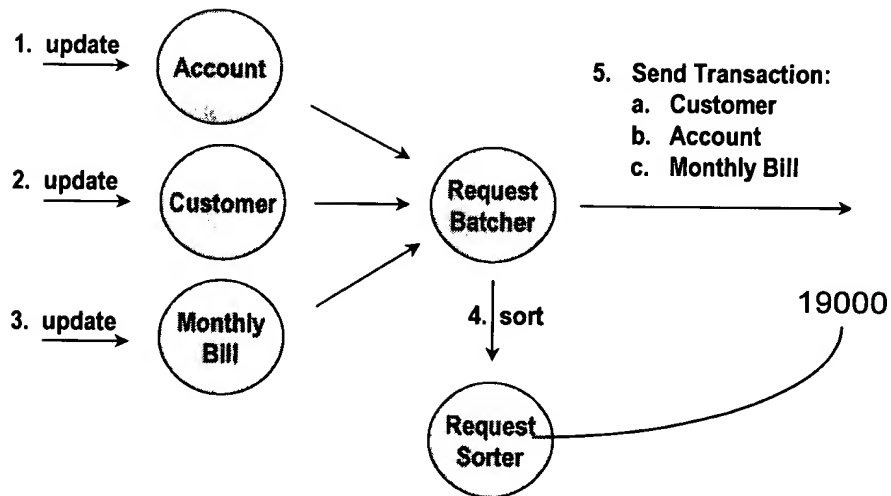
Figure 187



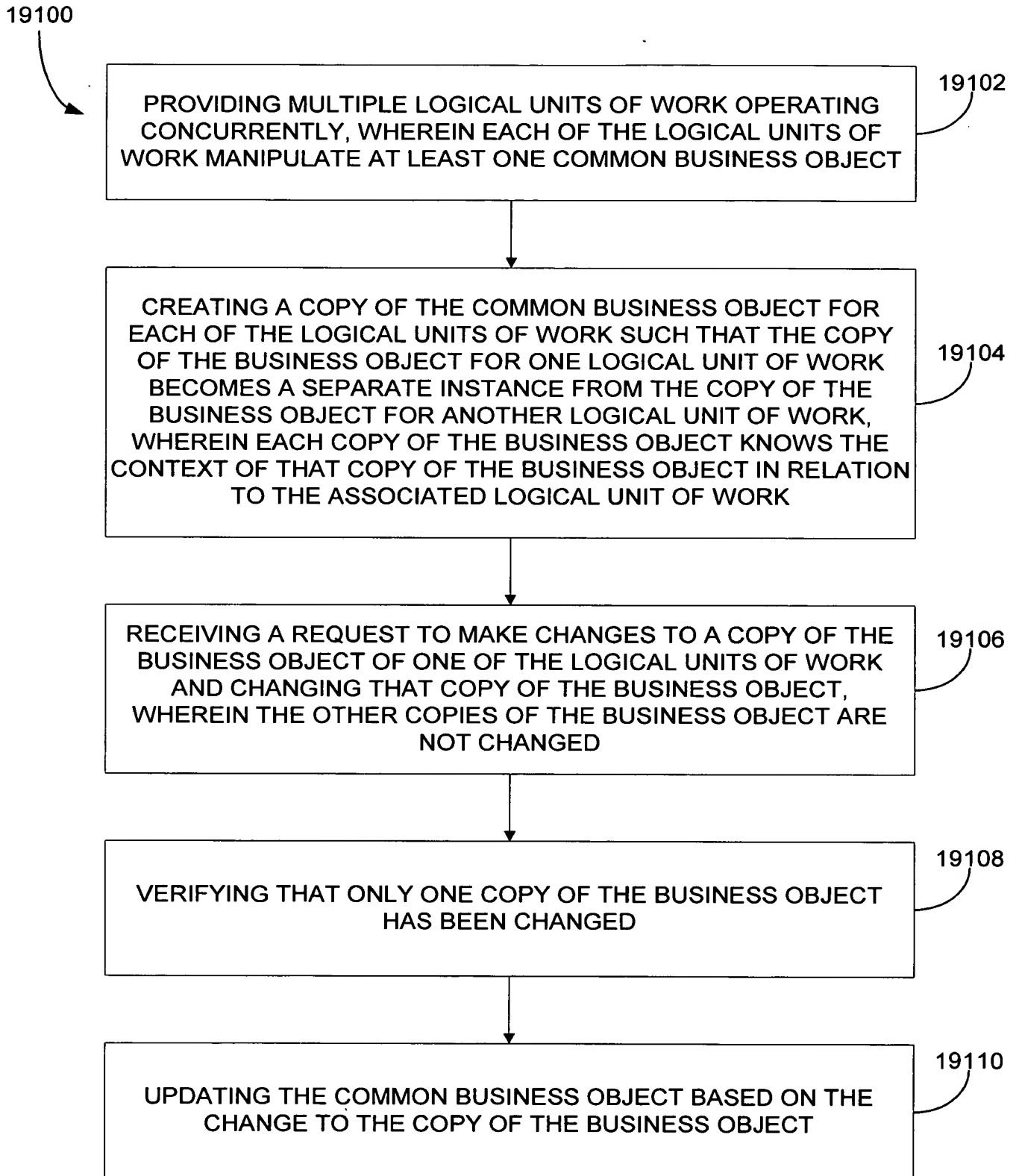
**Figure 188**



### Figure 189



### Figure 190



**Figure 191**

**Account Payment**

Account ID: 101  
Customer ID: ABCD

Service Charges: \$10.93  
Balance Due: \$27.11  
Amount Paid: \$27.11  
Date: 7/2/95

☒ Credit Card #: 3892  
☐ Check #:

Save Cancel

**Account Services**

Account ID: 101  
Customer ID: ABCD

Service	Cost
X Call Waiting	\$3.00
Forwarding	\$2.00
X 3-Way	\$3.50
Caller ID	\$6.75
X Phone Rental	\$4.43

Service Charges: \$10.93

Save Cancel

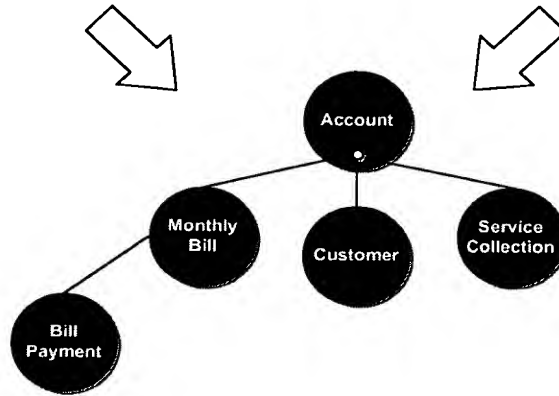


Figure 192

19300

19302

**Account Payment**

Account ID: 101  
Customer ID: ABCD

Service Charges: \$10.93  
Balance Due: \$27.11  
Amount Paid: \$27.11  
Date: 7/2/95

☒ Credit Card #: 3892  
☐ Check #:

Save Cancel

**Account Services**

Account ID: 101  
Customer ID: ABCD

Service	Cost
X Call Waiting	\$3.00
Forwarding	\$2.00
X 3-Way	\$3.50
Caller ID	\$6.75
X Phone Rental	\$4.43

Service Charges: \$10.93

Save Cancel

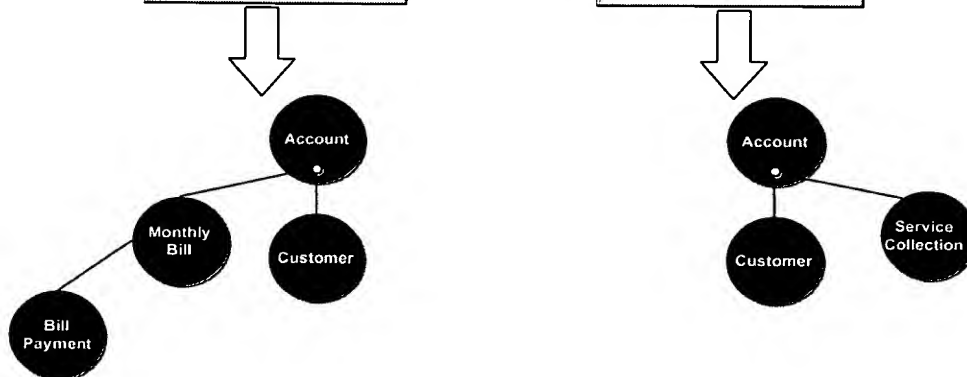


Figure 193

19400

19402

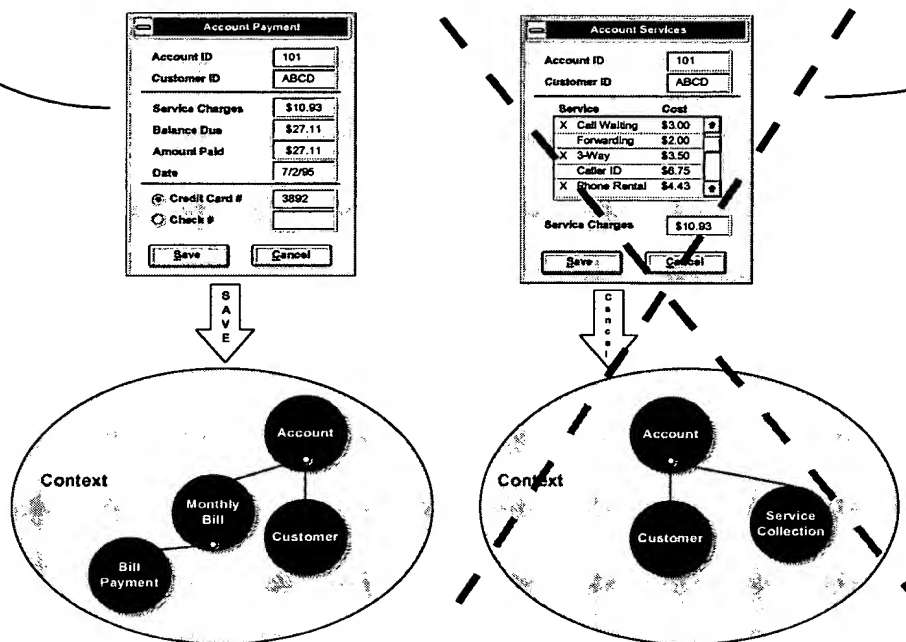


Figure 194

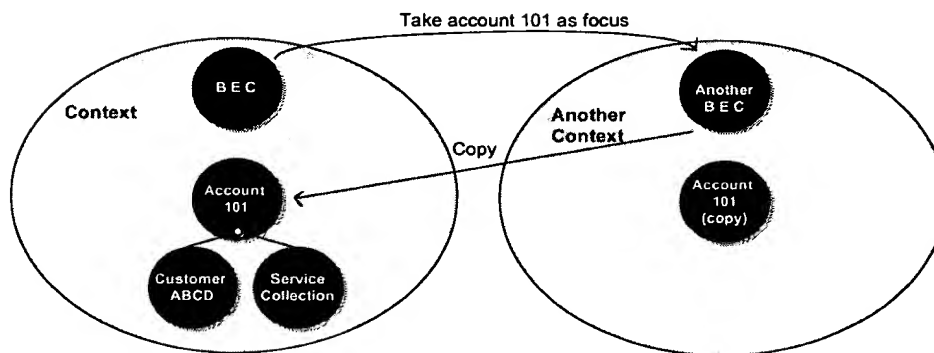


Figure 195